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62173
**THE EVERBLOOMING
BUTTERFLY BUSH**

SEE PAGE 1 FOR DESCRIPTION
50 CENTS EACH
\$1.25 FOR - 3
\$5.00 FOR 12
(PREPAID)



1913

24TH YEAR.

MICHELL'S SEEDS



MICHELL'S EXTRA EARLY TOMATO
20¢
PACKET
50¢ FOR
3 PACKETS.
CRACKER JACK.

HENRY F. MICHELL CO. 518 MARKET ST. PHILADELPHIA.

PLEASE READ! We aim to give our customers the best service possible. If we make an error, tell us about it, and we'll make it right to your satisfaction. If there is any information that you want in our line of business drop us a line (if you can't call) marked for "Information Bureau". This department is in charge of experts, who are able to answer intelligently all inquiries concerning horticulture or agriculture. Always write inquiries on a sheet separate from your order; it means a quicker reply.

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We especially invite Charge Accounts.

A charge account is more convenient than to remit for each order at the time it is sent us; you pay no more for your goods by reason of this accommodation. As to our responsibility we refer you to Dun's or Bradstreet's Mercantile Agency.

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ACCOUNTS

Accounts are due in three months on orders for Vegetable, Flower, Lawn Grass Seeds, Bulbs, Garden Tools, Sundries and Insecticides, unless by special arrangements, or when special quotations read otherwise.

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Grain, Clover, Bird and Farm Seeds, also Fertilizers are handled on very close margins of profit and are sold on 30-day terms.

When sending us your first order accompanied by remittance, we prefer bank cashier's check or money order, unless cash is sent; this frequently saves delays.

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Always state clearly by what method you want goods forwarded.

FREE BAGGAGE-MASTER SERVICE

To points where this service is in operation we can ship all orders which can be packed in one parcel or piece not exceeding 50 pounds in weight free of transportation charges at prices quoted in this catalog. Fertilizers in more than 25-lb. lots, or bulky packages are not accepted by baggage-master service.



ORDER BY TELEPHONE

We have installed a most modern system of over 50 phones, enabling our customers to receive instant attention. A special staff of experienced salespeople are reserved exclusively for the telephone service, so that our patrons may enjoy intelligent shopping from their home.

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Plant Establishment and Experimental Grounds, Torresdale, Pa.

CORRESPONDENCE IN FOREIGN LANGUAGES

For the convenience of our customers who would prefer their native language, we are pleased to announce that we are prepared to correspond in the following languages: German, French, Italian, Spanish.

Hier Wird Deutsch Gesprochen. Ici On Parle Français.
Si Parla Italiano. Aqui Se Habla Español.

WE PAY POSTAGE AND PACKING

CHARGES (Except as noted)

On all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (pints and quarts are not included), or such other seeds where mention is made in catalogue. If all seeds are wanted by mail, remit for postage at the following rates:

For each pint of Peas, Beans and Corn, 8 cents.

For each quart of Peas, Beans and Corn, 15 cents.

For each quart of Grass Seed (excepting Clover and Timothy), 5 cents.

For each pound of Clover, Timothy or any other Farm or Feeding Seed, 8 cents.

As we understand it at the time of preparing this catalog, Seeds, Plants, Bulbs and Nursery stock do not enjoy the new "Parcels Post" privileges.

No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, 22c. each, which are returnable for credit at the price charged.

Henry F. Michell Company endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept our goods on the above conditions, they can be returned to us within ten days.

PLEASE ORDER EARLY

We should greatly appreciate it, if our customers will adopt our suggestion to send us their orders during January and February. Shipment need not be made until you need the goods, when they will be ready.



HENRY F. MICHELL CO.

518 Market Street : : PHILADELPHIA

HENRY F. MICHELL, Pres.

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If customers do not accept goods on the above conditions, they can be returned to us within ten days.

SPECIAL NOTICE

OVER

BAKER-VAWTER CO. MANUFACTURERS CHICAGO-HOLYOKE →→ H2

Our 1913 Catalogue front cover subjects are described in detail below. Each has been drawn from nature, and our descriptions are not exaggerated in the least.

THE EVERBLOOMING BUTTERFLY BUSH

(*Buddleia Variabilis Magnifica*)

It was a matter of some thought before we finally christened this highly desirable plant with the common English name by which it goes. Several years ago we imported from Europe some plant novelties and this was among them. We observed it carefully for a season and were charmed with its beauty, ease of culture, and free-flowering habit. The name, "Butterfly Bush," was applied to it because it seemed to attract butterflies in large numbers. Particularly we noticed that it was not the common little yellow species of butterfly, but rather the large and gorgeously colored ones that swarmed about it as though vying with it in brilliancy of color. This shrub from a young plant set out in May will mature to full size the first season, producing a handsome bush, which the first year often attains a height of four feet. It produces long, graceful stems which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flower-head which is frequently 10 inches long. A single plant the first season will throw out as many as 50 flower spikes, which increase greatly in number during succeeding years. The year after planting it generally commences to flower in June and continuing each season until severe frosts nip it. It is rather semi-herbaceous, by which we mean in some latitudes it will die down to the ground and, while perfectly hardy, we do recommend covering the roots with manure as winter approaches, as this will produce a heavy growth the following season. This plant is very desirable as an individual specimen in the lawn and garden, or placed promiscuously in the shrubbery border.

Special Merits:

1. *Very hardy.*
2. *Blooms the first season.*
3. *Flowers from early summer till frost.*
4. *Rich, striking color.*
5. *Splendid for cutting. Very free flowering.*
6. *Will thrive anywhere.*

Order early, as last year we could not supply sufficient.

Price for strong young plants, which will bloom the first season, if set out early (Ready in May), 50c. each, 3 for \$1.25, \$5.00 per doz., per 100 \$35.00, 25 at 100 rate. Shipped prepaid at these prices.

TESTIMONIALS ON BUTTERFLY BUSH

CHICAGO, ILL., July, 1912.

The Butterfly Bush Plants ordered from you this spring are a wonder. I wish you could see them. Five feet high and full of handsome flowers. All who see it praise its beauty and free-flowering qualities, and I would suggest that the following slogan be applied to it:

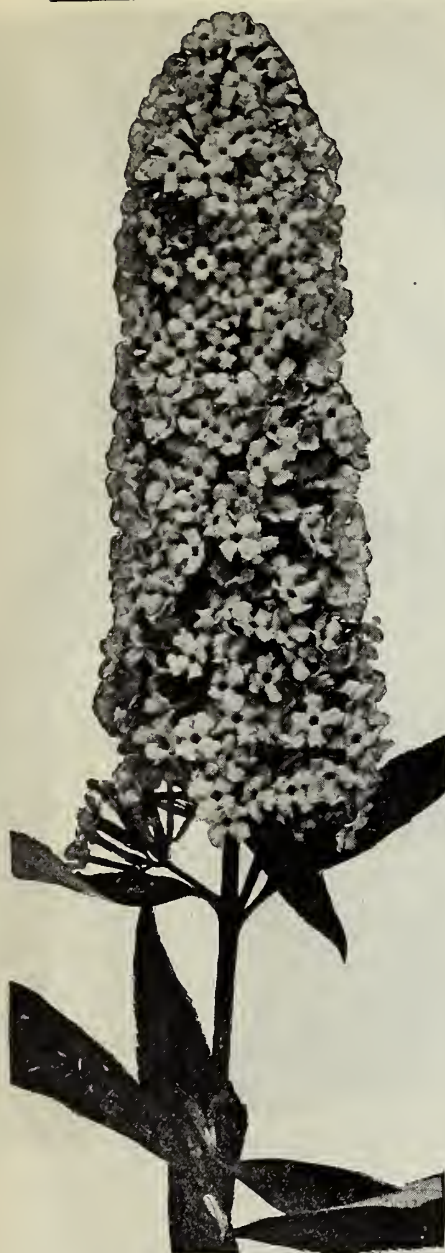
Just let its odor once delight your nose
And you will say, "A rival of the rose."

WILLIAM D. HOLLIS.

RYE, N. Y.

The Butterfly Bushes from you this spring did beautifully and I was thoroughly pleased.

MRS. MAY FOLWELL HOISINGTON.



Flower Head of Butterfly Bush

MICHELL'S CRACKERJACK TOMATO

Extra Early

For three seasons this has pleased all who planted it, being of a medium size, a brilliant color, and more prolific than any tomato we know of. Private gardeners regard it highly on account of its smooth, even fruit; bears continuously from early summer till frost time.

Pkt. 20c., 50c. for 3 pkts.

Pot-grown plants of "Crackerjack" ready in May. 75c. doz., per 100 \$5.50.

TESTIMONIAL ON CRACKERJACK TOMATO

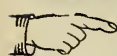
Columbus, Ohio.

"Crackerjack" did well for me. I had clusters with thirteen fruits on. My entire garden from your seeds was a complete success. WM. FERGUSON.



Michell's Crackerjack Tomato



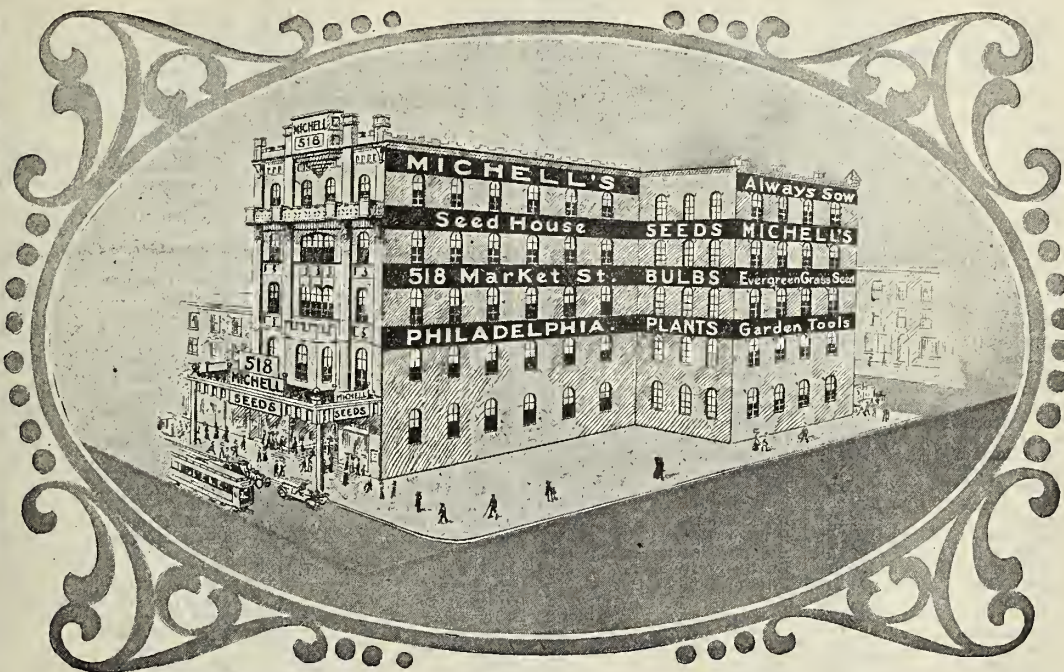


SPECIAL NOTICE—POSITIONS FOR GARDENERS, ETC. Our house makes it part of their business to procure suitable positions for Gardeners, Superintendents, Poultrymen, Farmers and Florists on private and commercial places. Gentlemen wishing to engage the services of men in the above capacity are invited to communicate with us, as we generally have applications on file from desirable parties. Absolutely no obligation is connected with this service.

The House of Michell

occupies a conspicuous place among Philadelphia's industries. Its establishment is located on the main thoroughfare of Philadelphia (Market Street) easily accessible to both railroad depots and ferries. The building is equipped with every modern convenience to rapidly conduct its business. It has six floors, each 180 deep by 23 feet in the front and 47 feet width in the rear, being L shaped, and employs at most all times in the neighborhood of 125 people.

A man with a farm garden or lawn can get most everything wanted here in an up-to-date variety.



BIRDS EYE VIEW OF
MICHELL'S
EVERGREEN SEED GARDENS
TORRESDALE, PA.
SHOWING A BLOCK OF HARDY PHLOX

Our plant establishment, of which we show above a small section, has been in operation for three years. It is located at a point of easy access, along the Pennsylvania R. R. (N. Y. Division) just above Torresdale, Pa. It also can be reached by trolley via Frankford, Philadelphia. At this place we annually produce and dispose of thousands of vegetable plants, hardy perennials in hundreds of varieties, pot grown roses, cannas, etc., etc. Here also is our seed testing carried on. In summer many interesting displays of flowers may be seen and visitors are welcome every day but the Sabbath. In this department we can assure our customers of extra good quality.

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MICHELL'S FIFTH ANNUAL

Vegetable, Dahlia and Gladioli Show

September 23, 24, 25, 26—1913

\$150.00 IN PRIZES

These occasions have proven quite an attraction to the public at large, as well as to our customers. At these times we usually have the finest collections in the various classes of both flowers and vegetables; a sight well worth seeing. This year we will make it interesting again by offering prizes to be competed for as noted below.

SPECIAL PRIZE. For the largest variety and display of vegetables other than noted, we will award the "Michell Silver Medal."

Rules governing the exhibition and entry blanks will accompany each order if asked for, or may be had from anyone at the store, by mail or in person.

SCHEDULE OF DAHLIA PRIZES

	Type	Number of Blooms to be Exhibited	1st Prize	2d Prize
Bertha Von Suttner	Pæony	12	\$1.50	\$1.00
Delice	Decorative	12	1.50	1.00
Dorothy Peacock	Show	12	1.50	1.00
Geisha	Pæony	12	1.50	1.00
Germania	Pæony	12	1.50	1.00
Governor Wilson	Decorative	12	1.50	1.00
Jeannie Charmet	Decorative	12	1.50	1.00
Le Colosse	Decorative	12	1.50	1.00
Le Grand Manitou	Decorative	12	1.50	1.00
Mme. Henri Cayeux	Cactus	12	1.50	1.00
Mrs. J. Gardner Cassatt	Show	12	1.50	1.00
Papa Charmet	Decorative	12	1.50	1.00
Perle d'Lyons	Cactus	12	1.50	1.00
P. W. Jansson	Pæony	12	1.50	1.00
Queen Wilhelmina	Pæony	12	1.50	1.00
Rene Cayeux	Cactus	12	1.50	1.00
Ruth Forbes	Cactus	12	1.50	1.00
Yellow Colosse	Decorative	12	1.50	1.00
W. W. Rawson	Show	12	1.50	1.00

For complete list of Dahlias, including the above varieties, see pages 107 to 111.

SPECIAL PRIZE. For the largest collection of Dahlias we will award the "Michell Silver Medal."

SCHEDULE OF GLADIOLUS PRIZES

	Number of Blooms to be Exhibited	1st Prize	2d Prize
America	12 spikes	\$1.50	\$1.00
Augusta	12 "	1.50	1.00
Baron Hulot	6 "	2.00	1.00
Canary Bird	12 "	1.50	1.00
Glory	12 "	1.50	1.00
Niagara	6 "	2.00	1.00
Panama	6 "	2.00	1.00
Peace	6 "	2.00	1.00
Princes	12 "	1.50	1.00

For complete list of Gladiolus see pages 112 to 115.

SCHEDULE OF VEGETABLE PRIZES

CLASS 1 to 18 Open to Private Gardeners Only

Class No.	Quantity to be Exhibited	1st Prize	2d Prize
1 Improved Strain Golden Wax Beans	50 pods	\$2.00	\$1.00
2 "Evergreen" Pole Lima Beans	25 "	2.00	1.00
3 Beet, Improved Crimson Globe	6 beets	2.00	1.00
4 "Swiss Chard Lucullus	6 specimens	2.00	1.00
5 Cabbage, Danish Ball Head	3 heads	2.00	1.00
6 Carrot, Danver's	6 roots	2.00	1.00
7 Corn, Stowell's Evergreen	6 ears	2.00	1.00
8 Egg Plant, Black Beauty	2 specimens	2.00	1.00
9 Muskmelon, "Golden West"	2 "	2.00	1.00
10 Okra, Perkin's	12 "	2.00	1.00
11 Onion, Ailsa Craig	6 "	2.00	1.00
12 Pepper, Chinese Giant	6 "	2.00	1.00
13 Potato, "Beats Them All"	12 "	2.00	1.00
14 Radish, 6 vars., 12 to a bunch		2.00	1.00
15 Squash, 3 vars., 1 specimen each		2.00	1.00
16 Tomato, best collection		2.00	1.00
17 Collection of 20 Varieties of Vegetables		5.00	2.50
18 For the largest collection of Pumpkins		3.00	2.00

CLASS 19 to 26 Open to All

Class No.	Quantity to be Exhibited	1st Prize	2d Prize
19 Stringless G. P. Beans, Improved Strain	50 pods	2.00	1.00
20 Evergreen Pole Beans	25 "	2.00	1.00
21 Beet, Swiss Chard Lucullus	6 specimens	2.00	1.00
22 Corn, Country Gentleman	6 ears	2.00	1.00
23 Kohl Rabi, White Vienna	6 specimens	2.00	1.00
24 Muskmelon, Golden West	2 "	2.00	1.00
25 Onion, best collection	6 "	2.00	1.00
26 Radish, 6 varieties	each 12 "	2.00	1.00

Persons competing in the Private Gardener Classes cannot compete in the "open to all class."

For a complete list of Vegetable Seeds see pages 16 to 50.



Dahlia-Jack Rose

THE OLD WAY

CLIMAX LAWN SAND

WEED
LAWN
REMEDY

Only apply in fine weather when the temperature is fairly high and when no rain appears likely for a day or two. **This is most important.**

For shallow rooted close-cropped weeds such as Moss, Chickweeds or Daisies sprinkle "Climax Lawn Sand" all over each patch, so as to lightly cover them with slight dusting, distributing evenly about five ounces for every square yard. Gauge the quantity according to the number of weeds. Repeat the application if any escape the first dressing. For all flat-leaved, shallow rooting weeds such as Plantains, Thistles, etc., a larger quantity is required and we recommend that a small teaspoonful should be placed on the crown of each plant.

DANDELIONS and other deep rooting plants with top roots are the most troublesome to deal with. We recommend roughly slicing off the crown and putting a large teaspoonful on the wound. The plant will break out again lower down, when this treatment should be repeated. The top root will then decay and the dandelion will never trouble you again. Only in rare instances is a third application necessary.

THE EFFECT

of an application is visible within a very few hours; the weeds blacken and die; the grass usually also becomes blackened and may remain so for a few days, but it quickly recovers its color, and young growths appear on the bare spots previously occupied by the weeds.

Should the weather be very hot and dry, the lawn should be thoroughly watered at the expiration of 48 hours after the application.

It acts as one of the most powerful fertilizers for grasses if applied as a topdressing in the early spring. For top dressing as a fertilizer apply $\frac{1}{4}$ ton per acre.

QUANTITY REQUIRED AS A DESTROYER

3½ lbs.	will dress	150 square feet	.....	\$0.40		
7	"	"	250	"	.....	.75
14	"	"	500	"	.....	1.25
28	"	"	1000	"	.....	2.00
56	"	"	2000	"	.....	3.50
112	"	"	4000	"	.....	6.00
560	"	"	20,000	"	.....	25.00
1,120	"	"	40,000	"	.....	45.00

THE WIKHAM WEED ERADICATOR AND
CLIMAX WEED KILLER

The Eradicator is a tubular staff 36 inches long, filled with the "Climax Weed Killer." You push the point of the Eradicator into the crown and root of the dandelion and the root is forever destroyed without the least injury to the surrounding grasses.

Wikham Weed Eradicator (complete), \$4.00.

Climax Weed Killer, Tin, No. 1 (enough to make 25 gallons of liquid), \$1.50.

SPECIAL OFFER. A Wikham Weed Eradicator and a can of Climax Weed Killer for \$5.00.

WHEN TO APPLY
"Climax Lawn Sand" may be applied any time during the growing season of the year, namely from beginning of April to the end of October. The lawn must be absolutely dry; by that is meant that no rain or dew must be visible on the grass.

Ten to twelve A.M. during the months of April, May and October, nine to twelve A.M. during June, July, August and September.

THE NEW WAY



SECTIONAL VIEW

Wikham
Weed
Eradicator

MICHELL'S "GREEN VELVET" GRASS SEED

This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. Our experiments have proven conclusively that only with a reliable mixture of several varieties of grasses can a quick permanent lawn be produced, for this reason we do not recommend the sowing of any one variety, such as Blue Grass, etc., alone.

Michell's Green Velvet Grass Seed weighs 20 lbs. per bushel. This fact alone is proof of its purity,

Quantity to sow. You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, to sow as follows:

1 qt. on 100 sq. feet (10 x 10); 4 qts. on 600 sq. feet (20 x 30); 1 peck on 1,500 sq. feet (30 x 50); 1 bushel on 7,000 sq. feet (70 x 100); 5 to 6 bushels per acre for best effects.

Prices: 1 pint, 20c.; 1 qt., 30c.; 4 qts., 85c.; 1 peck, \$1.25; 1 bu., \$5.00; 5 bu., \$24.00; 10 bu., \$47.50; 25 bu., \$112.50.

Booklet "How to Make and Care for a Lawn" free on application.

One of the many Testimonials received on the merits of Michell Grass Seeds:

The 30 bushels of Green Velvet Grass Seed received from you last month was sown in three different places (about seven acres in all). I feel proud when I say it was the best seed I ever handled; the lawns it made are great.

D. J. BENNETT,
Supt. to Percy Leavitt, Esq., Akron, Ohio.

You can have a lawn like this in 4 to 6 weeks with Michell's Green Velvet Grass Seed

The remarkably *Fine Lawns* seen at the Philadelphia National Export Exposition, The Pan-American Exposition, Buffalo; The Jamestown Exposition, Va.; The Lewis-Clarke Exposition, Portland, Ore., were seeded with **Michell's Green Velvet Grass Seed**. For years it has been extensively sown in the Public Parks and Squares of Philadelphia (including Fairmount Park). The Parks of Wilkes-Barre, Reading, Harrisburg, Penna., on the Executive Mansion Grounds, Washington, D. C., and on thousands of Country Estates.




Michell's New Grass Seed Mixture "Top Notch"

25 Lbs. per Bushel

At any price it would hardly be possible to get together a more perfect blend of thoroughly re-cleaned grasses than this mixture. From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant green color. Again we have frequently been asked on orders to send a lawn mixture of quality "par excellence" regardless of price, so finally decided that there was room for still greater improvement in lawns than our already high grade mixtures of grasses would produce.

Top Notch weighs **25 lbs. per bushel** and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. Our grass seed sales running close to a half million (500,000) lbs. per year, we are able to get the choice of the Grass Seed Market. Imagine a perfect Grass Plot with a slight inkling of white clover where every tuft and blade is fine, closely grown together and without a weed. There is not a particle of chaff in this mixture and it cannot help but satisfy the most particular lawn critic. On account of the heavy nature and quality of the seed, unusual results are obtained in the shortest space of time. We recommend sowing this mixture at the rate of about $3\frac{1}{2}$ to 4 bushels per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price: \$2.00 per peck, per $\frac{1}{2}$ bush. \$3.75, \$7.00 per bush. (of 25 lbs.), 2 bush. \$13.50, \$32.50 per 5 bush., 10 bush. \$62.50.

 Your special attention is called to **CLIMAX LAWN SAND**, offered on page 7

MICHELL'S EVERGREEN GRASS SEED

Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed lawn grasses and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is the same as that recommended for Michell's Green Velvet on the opposite page. It weighs 20 lbs. per bushel and every kernel is full of vitality. Prices: Pint 15c., qt. 25c., 4 qts. 65c., peck \$1.00, bush. (20 lbs.) \$4.00, 5 bush. \$19.50, 10 bush. \$38.50.

TESTIMONIAL

Washington, D. C.
I bought from you last winter some Michell's Evergreen Grass Seed and sowed it this spring. It is by long odds the finest I've ever seen, if my lawn is any criterion.
W. H. Green.

TESTIMONIAL

Trenton, N. J.
Your Michell's Evergreen Grass Seed has already produced a fine lawn and sown only a few weeks ago. It's a grand mixture indeed.
Henry Clinkaberry.



**MICHELL'S SHADED LAWN
GRASS SEED**
25¢ per qt., 4 qts. 75¢, \$1.25 per peck
per bu. 20 lbs. \$5.00.

MICHELL'S SHADED LAWN GRASS SEED

Shaded Locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions and after extensive experimenting have combined a mixture of grasses that will produce perfect swards in the most densely shaded places. It must be borne in mind that too much shade creates sour soil and to guard against this apply air-slaked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. Lime should be applied about every three years only, while land plaster may be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure are a great help in establishing a thick, healthy growth of grass in shaded places. Sow seed at the same rate as recommended for Green Velvet Grass on preceding page. This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. Prices: 1 pt. 15c., 1 qt. 25c., 2 qts. 40c., 4 qts. 75c., peck \$1.25, bush. (20 lbs.) \$5.00, 5 bush. \$24.00, 10 bush. \$47.50. We sell Sheep Manure, Bone Meal, Land Plaster, etc.

TESTIMONIAL

I've used Michell's Shaded Lawn Seed and have the highest praise for its remarkable quality. Have tried many times previously to get a stand of grass under some trees, but have not been successful 'till I used your Shaded Lawn Mixture.
Frackville, Pa. W. R. Trautman.

TESTIMONIAL

Enclosed find check for \$33.70 for Michell's Shaded Lawn Seed received. I've used this on new ground, and tho' sown but a short time it is all up and the ground well covered with grass. It has given splendid satisfaction.
West Chester, Pa. S. G. Willauer.



The above illustration represents an active scene on the course of the New Merion Golf Club, Ardmore, Pa. Their grounds and putting greens are pronounced by everyone who has seen them to be perfect. All grass on this course was produced from Michell's Seeds; and it has been the means of bringing us many customers. The course was made by that well-known expert, Fred. G. Pickering, who constructed Wolliston, Woodland and the Belmont courses in Massachusetts, Lake Placid, N. Y.; Atlanta, Ga., and numerous others. However, that golf expert, A. H. Findlay, says, that the New Merion, Pickering's latest creation, is one of the prettiest golf courses in America. (The seed, of course, being responsible for a great deal of this.)

We are especially well equipped to supply separate varieties of grass seeds of the highest quality to clubs, professionals or others who desire to do their own mixing. Our Grass Seeds are all submitted to the U. S. Dept. of Agriculture and the leading Seed Testing Stations of Europe before they are allowed to be shipped to us by our growers. By such a rigid system our customers have absolute assurance to get nothing but the best. Samples are cheerfully supplied without cost.

MICHELL'S GOLF COURSE MIXTURE

The formula for this mixture was reached after a lifetime experience of the late P. F. Foy, at the time Superintendent of the Philadelphia Country Club, Bala, Pa. These grounds were conceded to be and still are among the finest golfing turf in the United States; Michell's Grass Seeds have been sown there annually for many years. The mixture is composed of short-growing, deep-rooted varieties that resist plenty of wear. It retains its color well during the severest droughts, and the clubs mentioned below are a few of the many, whose courses are seeded with Michell's Fair Greens Mixture. Golf courses to retain their permanency should receive additional sowings during the season to replace any weak or wornout spots. Sow 6 bushels per acre.

Prices: Qt. 20c., 2 qts. 35c., 4 qts. 60c., 1 peck \$1.00, 1 bu. (15 lbs.) \$3.50, 5 bus. \$16.25, 10 bus. \$30.00, 25 bus. \$68.75.

MICHELL'S PUTTING GREENS MIXTURE

* While many greens keepers prefer to make their own mixtures for this purpose, there are some who rely on the ability and experience of the seedsman. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, thin-bladed grasses, over which the ball can roll without resistance. In sowing Putting Greens it is wise economy to be very liberal with the seed, as these places are subjected to continuous hard use. We do not recommend less than 1 bushel of 20 lbs. (and more is better) to a green 75 foot square.

Prices: 1 qt. 30c., 4 qts. 90c., 1 peck \$1.50, 1 bush. (20 lbs.) \$6.00, 5 bush. \$28.75, 10 bush. \$55.00.

WHITE CLOVER

Choicest re-cleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.).
¼ lb., 15c.; 60c. lb.; 5 lbs., \$2.80; \$5.50 for 10 lbs.; bu. (60 lbs.), \$31.20; \$50.00 per 100 lbs.

A FEW GOLF COURSES THAT SOW MICHELL'S GRASS SEEDS

Aronimink Golf Club, Pa.
Athletic Club of Phila.
Belfield Country Club, Pa.
Bucks Co. Country Club, Pa.
Cape May Golf Club, N. J.
Des Moines Country Club, Ia.
Germantown Cricket Club, Pa.

Lansdowne Country Club, Pa.
Euclid Club, Ohio
Huntingdon Valley Country Club, Pa.
Mayfield Country Club.
Mahopac Golf Club, N. Y.
New Merion Golf Club, Pa.

Old York Rd. Country Club, Pa.
Philadelphia Country Club, Pa.
Philadelphia Cricket Club, Pa.
Philmont Country Club, Pa.
Plymouth Country Club, Pa.
Sioux City Golf Club, Ia.
St. Davids Golf Club, Pa.

Westbrook Country Club, Ohio
West Chester Golf and Country Club, Pa.
White Marsh Valley Country Club, Pa.

And many others, including numerous private golf courses.

Expert Information on Grass Given Free—either in person or by letter

MICHELL'S SPECIAL MIXTURES OF GRASSES

Fairmount Park Lawn Seed. A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or 2½ bushels in renovating old lawns. Prices: Per qt. 20c., 35c. for 2 qts., 4 qts. 60c., 85c. per pk., per bush. of 15 lbs. \$3.00, \$14.50 for 5 bush., 10 bush. \$28.50.

Michell's Seashore Formula Grass Seed. The salt atmosphere plays havoc with the seashore lawn. This formula contains such grasses only as thrive in salt air regions. Sow 4 bushels to the acre on new ground or 2½ bushels for reseeding old lawns. Prices: Per qt. 25c., 40c. for 2 qts., 4 qts. 75c., \$1.25 per pk., per bush. of 20 lbs. \$5.00, 5 bush. for \$24.00, \$46.00 for 10 bush.

Michell's Terrace or Embankment Grass Seed. Sow 4 bushels per acre. Prices: Per qt. 25c., 40c. for 2 qts., 4 qts. 75c., \$1.25 per pk., per bush. of 20 lbs. \$5.00, 5 bush. \$24.00, \$46.00 for 10 bush.

Southern States Lawn Grass Seed. Made up especially for dry, hot localities, especially suited to the Southern States. 15 lbs. per bushel. Prices: 20c. per qt., 2 qts. 35c., 60c. for 4 qts., pk. \$1.00, \$3.50 per bush., 5 bush. \$16.25.

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bush. Prices: 25c. per qt., 2 qts. 40c., 75c. for 4 qts., pk. \$1.00, \$4.00 per bush., 5 bush. \$18.75, \$36.50 for 10 bush.

Note—All Grass Mixtures except Putting Greens and Golf Course contain white clover. Any of them, however, can be furnished without this.



MICHELL'S
PERMANENT
PASTURE GRASS
SEED
20¢ per qt., peck
85¢. \$3.25 per
bushel, 15 lbs.

Michell's Permanent Pasture Grass Seed. In the past few years ideas of what was the best way to establish a permanent grazing sod have undergone many changes. The then prevalent method of sowing timothy and clover has been found not only costly but too short lived to answer the purpose. The old custom has given way to the new, which is the sowing of a mixture of permanent grasses. Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years, although we advise additional sowings each autumn just previous to which a light harrowing is recommended to give the grass a quick hold. Sow 3 to 4 bushels per acre on new lands or 2 bushels on established pastures (15 lbs. per bushel). Prices: Per qt. 20c., 4 qts. 50c., peck 85c., bush. (15 lbs.) \$3.25, 5 bush. \$14.00, 10 bush. \$27.00, 25 bush. \$65.00, 50 bush. \$125.00.

Michell's Permanent Hayfield Grass Seed. While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in every kind of soil. Sow 3 to 4 bushels per acre on new lands, or 2 bushels on established fields (15 lbs. per bushel). Prices: Per qt. 20c., 4 qts. 50c., peck 85c.; bush (15 lbs.) \$3.25, 5 bush. \$14.00, 10 bush. \$27.00, 25 bush. \$65.00, 50 bush. \$125.00.

An English Chain Harrow is ideal in preparing grass lands.

No. 1—For 1 horse, 5 x 6 feet.	Weight, 126 lbs.	.....\$17.50
No. 2—For 2 " 6 x 7¾ "	" 236 "	..... 24.00
No. 3—For 2 " 9 x 11 "	" 357 "	..... 30.00

WE ARE HEADQUARTERS FOR GRASS SEEDS

MICHELL'S RECLEANED GRASS SEEDS

SEPARATE VARIETIES

Prices subject to change

Our Grass Seed and Clover Sales in 1912 EXCEEDED 500,000 (ONE-HALF MILLION) POUNDS—a sure indication that we are headquarters.

Some people prefer to sow grass of one kind or a combination of several grasses, and there are many occasions when this is advisable; for those, we have arranged below a list of the best sorts in use to-day. They are absolutely pure, free from weed seeds and have all passed the high standard established by the U. S. Dept. of Agriculture, to whom they are submitted by us for purity and germination tests before being placed on the market. Samples cheerfully mailed on request free.

Awnless Brome (*Bromus inermis*). This is a native perennial of Austria, growing from 3 to 5 ft. high. It is excellent for hay and does well on very dry soils, therefore valuable in climates that are subject to severe droughts. Roots are of creeping habit and when once established, is permanent for years. Used principally as a hay or pasture grass. Sow 40 lbs. per acre (14 lbs. per bush.). 20c. lb., bush. \$2.50, \$15.00 per 100 lbs.

Blue Grass—Recleaned Kentucky (*Poa pratensis*). This grass possesses more merit than possibly any other, for lawn and pasture work it is invaluable; once established it lasts indefinitely. It forms a very close turf of fine texture, succeeding in most any soil or clime. In sowing it is well to mix with it other grasses that mature sooner, as blue grass requires several years before it reaches maturity. Sow from 3 to 5 bush. to the acre (14 lbs. per bu.). 20c. qt., 25c. lb., bu. \$2.50, \$15.00 per 100 lbs.

Bermuda Grass. Hardy only in the South, used there for pasture and lawn; sow 15 lbs. per acre. \$1.25 lb., 10 lbs. \$12.00 \$110.00 per 100 lbs.

Blue Grass Canada (*Poa Compressa*). A perennial with creeping root habit, forming a dense and durable turf. It thrives on the poorest kind of ground and under all extremes of condition; it makes fine pasture. Grows about 20 inches high, according to conditions of soil. Sow 3 to 5 bushels per acre (14 lbs. per bushel). 15c. lb., bush. \$2.00, \$11.00 per 100 lbs.

Creeping Bent (*Agrostis stolonifera*). A compact perennial grass of creeping habit, producing a turf of resisting qualities. On account of this feature it is especially recommended and used for putting greens and is admirable for lawn work. Sow 3 to 4 bushels to the acre (20 lbs. per bushel). 45c. lb., bush. \$7.00, \$35.00 per 100 lbs.

Crested Dog's Tail (*Cynosurus cristatus*). A dense-growing variety thriving best on rich, moist soil, although it can adapt itself to various conditions; it is ideal for putting greens and lawn work, thriving also well in the shade; grows from 1 to 2 feet high. Sow 3 to 4 bushels to the acre (21 lbs. per bushel). 40c. per lb., bush. \$7.00, \$30.00 per 100 lbs.

English or Perennial Rye Grass (*Lolium perenne*). (Pacey's short seeded.) An ideal grass for lawn, hay or pasture; it is recommended where a quick, strong growth is wanted, making a good appearance in from four to five weeks; it does well on terraces on account of its deep rooting nature; when matured it is from 1½ to 2 feet high. Sow 3 bushels to the acre (24 lbs. per bushel). 15c. lb., per bu. \$3.00, \$11.00 per 100 lbs.

Fine Leaved Fescue (*Festuca tenuifolia*). (Slender Fescue.)

This does well even on very dry, poor soils; for this reason is desirable for terrace work; stands grazing unusually well and is an all-around desirable grass for lawns, pleasure grounds or pasture fields. Sow 3 bushels to the acre (14 lbs. per bushel). 50c. per lb., bush. \$6.25, \$37.50 per 100 lbs.

Herd or Red Top—Fancy Recleaned (*Agrostis vulgaris*). A very hardy grass, doing well on ground that is not too dry, it adapts itself, however, to most any condition and with the exception of Kentucky Blue Grass is the most widely used of the American grasses. Ideal for lawn, golf ground, pasture, or hay field work. It pays to sow the recleaned seed on account of entire absence of any chaff. Sow 25 lbs. to the acre (32 lbs. per bushel). 25c. lb., bush. \$6.00, \$18.00 per 100 lbs.

Herd or Red Top—Unhulled. This is the same as above except that the hull has not been removed from the seed and requires more to sow an acre. Sow 4 to 5 bushels per acre (10 lbs. per bushel). 15c. lb., bush. \$1.35, \$11.00 per 100 lbs.

Hard Fescue (*Festuca duriuscula*). Suited principally to pasture and hayfield purposes, doing well in dry, sandy and shallow soils; it withstands long periods of drought as well as extremes of heat and cold; when matured is from 1 to 2 feet high. Sow 3 bushels per acre (12 lbs. per bushel). 30c. lb., bush. \$3.00, \$21.00 per 100 lbs.

Italian Rye (*Lolium italicum*). A variety coming to full maturity the first season. It retains its green color well throughout the winter, but lasts only a few seasons; it seems to thrive well in the hottest climates and is valuable as a lawn grass in the South, although we recommend sowing other varieties with it. For temporary lawns or sowing at the seashore it is desirable. Height, 1½ to 2 feet. Sow 3 bushels per acre (18 lbs. per bushel). 15c. lb., bush. \$2.00, \$10.00 per 100 lbs.

Meadow Fescue or English Blue Grass (*Festuca pratensis*). This is one of the best hay or pasture grasses that can be sown. On account of its not reaching maturity for the second or third year, it is always a good plan to sow other grasses with it. It succeeds best in soil that does not become too dry. Height, when matured, about 2 feet. Sow 2½ bushels per acre (22 lbs. per bushel). 20c. lb., bush. \$3.25, \$14.00 per 100 lbs.

Prices of Separate Grasses Subject to Market Changes

GRASSES IN SEPARATE VARIETIES—Continued

Orchard Grass (*Dactylis glomerata*). Used principally for early pastures and hay crops, as it matures very quickly. Live stock of all kinds relish it. It should be cut before it shows the seed-head, as it cures more tender; may be cut several times a season. It has a habit of growing in bunches. This can be overcome by sowing other grasses with it, also if rolled once every spring. Desirable for sowing for pasture in shaded orchards; should not be used in lawns. Height, when matured, 3 feet. Sow 4 bushels to the acre (12 lbs. per bushel). 25c. lb., bush. \$2.50, \$16.00 per 100 lbs.

Red or Creeping Fescue (*Festuca rubra*). This is extensively used in dry, sandy locations, doing well on the poorest kind of soil; for sowing on embankments and shady places it is extremely valuable. It also makes a very good lawn at the seashore. Is of creeping habit and forms a close fine turf. Sow 3 bushels to the acre (14 lbs. per bushel). 35c. lb., bush. \$4.00, \$27.50 per 100 lbs.

Rhode Island Bent (*Agrostis canina*). This is one of the dwarfest grasses in cultivation, making short, narrow leaves; while used extensively in lawn mixtures, its greatest value is for making putting greens, where it produces a close velvet-like sod. It does well in good or bad soils during drought or excessive moisture. For a quick lawn effect nothing equals it. When matured it is 18 inches high. Sow 3 bushels to the acre (14 lbs. per bushel). 45c. lb., bush. \$5.25, \$35.00 per 100 lbs.

Sheep's Fescue (*Festuca ovina*). One of the few grasses that does well on poor, shallow soil; in fact it thrives where many others would not do. It is not susceptible to extreme drought or severe winters. It is one of the best pasture grasses, as well as for lawn sowing when mixed with other varieties. When matured it stands about 12 inches high. Sow 4 bushels to the acre (12 lbs. per bushel). 30c. lb., bush. \$3.00, \$22.50 per 100 lbs.

Sweet Vernal (Annual). (*Anthoxanthum odoratum puelli*.) This lasts for one season only, but imparts a fragrant odor to the grass while being cut. If used in a hay or pasture mixture it tends to sweeten it and making it more appetizing for the cattle. Sow 5 lbs. per acre with other grasses. 25c. lb. (5 lbs. \$1.00), \$18.00 per 100 lbs.

Sweet Vernal (Perennial). (*Anthoxanthum odoratum REAL*.) The characteristics of this are the same as with the annual variety, with the exception that it is of lasting nature and, therefore, excellent for pastures or hayfields. The seed should be thoroughly rubbed, separated and mixed with fine soil before sowing. Sow 5 lbs. per acre with other grasses. 70c. lb. (5 lbs. \$3.00), \$50.00 per 100 lbs.

Timothy (*Phleum pratense*). The standard hay grass of America, which is probably used more than any other. It delights in a heavy, loamy soil where it always produces the maximum crop. Can be sown alone, with wheat, or as a mixture for red clover or other grasses. It should be cut just when the seed stalk is about ripened. Height, when matured, from 2½ to 3 feet. When sown alone use ½ bushel per acre; with red clover 12 qts. and with wheat 8 qts. per acre (45 lbs. per bushel). 15c. per lb. (Price varies constantly, ask for quotations.)

Tall Meadow Oat (*Avena elatior*). This (sometimes called French Rye Grass) makes a very early prolific growth and is thus desirable for hay and pasturage. Can be harvested twice a year as a hay crop. Extremely valuable for use in the South or other places where long, severe drought exists. Under these conditions it is adapted for lawn work, where it retains a beautiful green color. Height, when matured, 3½ to 4 feet. Sow 5 bushels to the acre (10 lbs. per bushel). 30c. per lb., bush. \$2.50, \$22.50 per 100.

Various Leaved Fescue (*Festuca Heterophylla*). Desirable for pasture or hayfield sowing, thriving best in low moist soils; matures early and is quite hardy; does well in shaded orchards, etc.; stands two to three feet high when fully matured. Sow 40 lbs. per acre (15 lbs. per bushel). 35c. per lb., bush. \$4.50, \$27.50 per 100 lbs.

Wood Meadow (*Poa nemoralis*). One of the best grasses for sowing under trees in lawn work, it seems to thrive there when no other grass will. Is perfectly hardy and shows up a rich green growth early in the spring. For mixing with putting green grasses it is highly desirable, as it produces a very dwarf compact growth. Sow 2½ bushels per acre (14 lbs. per bush.). 50c. per lb., bush. \$5.75, \$37.50 per 100.



**MICHELL'S
"HAY FIELD"
GRASS SEEDS**

PER QT. 20¢ POSTPAID 25¢
PER 4 QT. 50¢
PER PECK 85¢
PER BUSHEL \$3.25
5 BUSHELS \$14.00
10 BUSHELS \$27.00

MICHELL'S RECLEANED CLOVERS (PRICES SUBJECT TO MARKET CHANGES)

This line with us is a specialty. It is always economy to buy the best in farm seeds and that is just what we offer. We are extremely careful to see that all of our seeds are of the highest purity and germination tests, and our very large business in this department tends to show that this policy is the wisest.

Alfalfa or Lucerne. The most valuable forage crop on the American farm to-day, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa goes into this carefully and is free for the asking. Sow not less than $\frac{1}{2}$ bushel (30 lbs.) per acre preferably with no other crop. *Our seed is always over 99% pure*, and will invariably give the best of results. Price per lb. 25c. Write for price on larger quantities, as it changes constantly.

TESTIMONIAL ON MICHELL'S UTAH ALFALFA

The Alfalfa I bought of you was sown on Sept. 4th. By Sept. 9th it was showing above the ground and to-day, the 24th, I have a stand three inches high. I am simply amazed at the good quality of the seed.

Elk Ridge, Md.

DR. W. R. EARECKSON

Water Proof Covers or Caps for Alfalfa. For placing over cocks while hay is curing and protecting it against rain or storm. Made of waterproof drill.

	Each	Doz.	100
5 x 5 feet	\$0.85	\$0.00	\$67.50
6 x 6 "	1.25	12.00	90.00

These caps are equipped with brass eyelets and ropes.

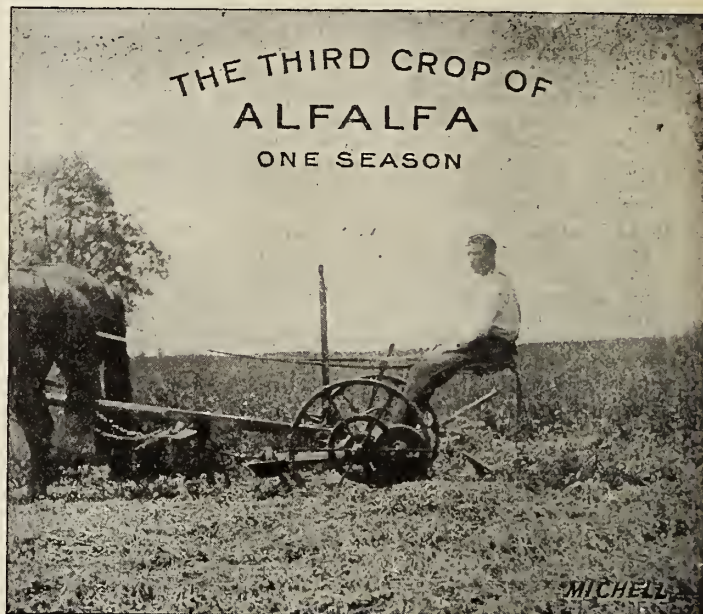
Alsike or Swedish Clover (*Trifolium Hybridum*). One of the best for mixing with timothy, it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high, is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price, 25c. lb. Price on larger quantity on application.

Bokhara Clover (*Melilotus Alba*). While extensively used as a bee food, this is a valuable variety for soiling (green manure). It grows from 3 to 5 feet high, according to soil and location; can be cut often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone or 10 lbs. per acre with other crops. Price, 30c. per lb., 10 lbs. \$2.50.

Crimson Clover (*Trifolium Incarnatum*). Delaware Grown Seed. This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers, when desired for green manure it should be allowed to mature; its height is from 1 to 2 feet. Sow anytime from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year, although no other crop can be raised on the field that season, fall or late summer seeding makes it possible to use the field the following season. It is not hardy for more than one season and must be sown each year, flowers crimson. Price, 15c. per lb., larger quantity prices on application.

Red Clover, Medium (*Trifolium pratense*). More widely known and used than any other, used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone 20 lbs. per acre; if with other crops 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is not hardy for a period of years, being usually resown every third season; flowers pink. Price, 25c. lb.; larger quantity, price on application.

Write and get our prices and samples of Clovers and Farm Seeds before buying elsewhere.



Cutting Alfalfa on the farm of R. Mason Lisle, Paoli, Pa.
Seed furnished by us.

Mammoth Red Clover (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone or with other crops 10 lbs. per acre; flowers pink. It can be harvested several times in a season. Price, 25c. per lb.; larger quantity prices on application.

White Dutch or Lawn Clover (*Trifolium Repens*). This is just as valuable for pasturage as it is for lawn work, it makes especially fine grazing for sheep and cows. For poor, shallow or sandy soils it succeeds where other clovers and grasses fail, and it is seldom trampled out. For mixing with lawn grass it helps establish a quick permanent turf, grows about 4 inches high and is hardy under all conditions; it can be sown at all seasons although early spring is best; flowers greenish white. Apply 10 to 12 lbs per acre if sown alone or 5 lbs. if sown on old turf or with other crops. Prices: $\frac{1}{4}$ lb. 15c., 60c. lb., 5 lbs. \$2.80, \$5.50 for 10 lbs., bu. (60 lbs.) \$31.20, \$50.00 per 100 lbs.

FARMOGERM NITROGEN-GATHERING BACTERIA FOR CLOVERS

It is a well established fact that it pays to inoculate clover seed with *Farmogerm*. The crop matures more quickly, is larger, and the ground is richer by at least the equivalent of 1000 lbs. of nitrates. This has been frequently supplied in the form of Nitrate of Soda at a cost of about \$5.00 per acre or more. *Farmogerm* when applied to the clover seed supplies it free, outside the cost of the bacteria. Nitrogen is plentiful in the air and the farmogerm-treated plant makes it possible for it to be absorbed readily. Write for a booklet on this wonderful discovery. Acre size bottles, \$2.00; 5 acre and larger, \$1.80 per acre. Always specify crop wanted for when ordering. For legumes only.

2 Bushel Seamless Bags for all Farm Seeds; 22c. each (returnable)



ALFALFA FROM A WELL PREPARED SEED BED—NO INOCULATION

ALFALFA FROM A WELL PREPARED SEED BED—INOCULATED

It will be seen that the yield of the latter is almost double that of the uninoculated seed

FARMOGERM

THE WONDERFUL FERTILIZER FOR LEGUMINOUS CROPS

ALFALFA AND OTHER LEGUMINOUS FARM CROPS WILL GROW MORE ABUNDANTLY

if the soil is properly sweetened with lime and worked to a good seed bed and the seed inoculated with Farmogerm high-bred bacteria. Without bacteria, of the proper variety, in sufficient amounts (and in an active nitrogen-gathering condition) it is impossible to successfully grow alfalfa or other legume crop.

A United States Department of Agriculture Bulletin says:—

“It is worse than useless to attempt to grow any leguminous crop without being certain of the presence of the bacteria, which enable the plants to fix free nitrogen. Certain regions are practically devoid of the right kind of bacteria, and unless some artificial means of inoculating with the germ is resorted to, the crop will be a failure.”

FARMOGERM high-bred bacteria meets every condition above mentioned. They are grown and selected by a costly laboratory process until they develop the wonderful possible power of creating 2000 pounds of nitrates to the acre, while bacteria which may be found to exist naturally in the soil at various sections throughout the country create not more than one quarter of this amount.

FARMOGERM high-bred bacteria is delivered in bottles ready to use by diluting with a little water and sprinkling on the seeds. Seed for ten acres can be thoroughly inoculated in ten minutes. The method of inoculation by means of a transfer of soil from fields in which a legume plant is or has been grown, is not only very costly, but weeds, molds and various soil diseases have been spread over wide areas by this primitive and unsatisfactory method.

The great Fertilizer Value of Legumes depends entirely upon Inoculation with Farmogerm. 1000 to 2000 Pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form as the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of Farmogerm to the seed of these legumes when planting practically trebles the nitrogen-gathering power and for this reason we urge all planters to use it on all such occasions. Please note that Farmogerm is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where Farmogerm was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

FARMOGERM SAVES THE COST OF ALL EXPENSIVE NITRATE FERTILIZERS

FARMOGERM can be had for any of the following crops in either $\frac{1}{4}$ acre, 1 and 5 acre bottles. Each crop requires a different culture or bacteria and one cannot be used for the other (except where noted):

Alfalfa or Lucerne
Alsike
Burr Clover
Crimson Clover

Canada Peas
Cow Peas
Garden Beans (Pole and Bush)

Garden Peas
Peanuts
Red Clover
Sweet Peas

Soja Beans
Vetches
White Clover

No. 1 for Red, White, Crimson and Alsike Clover.

No. 2 for Alfalfa or Lucerne.
No. 3 for Vetch or Canada Field Peas.

No. 4 for Soja Beans and Cow Peas.

No. 5 for Garden Peas, Garden Beans (Pole and Bush) and Sweet Peas.

GARDEN OR $\frac{1}{4}$ ACRE SIZE, 50c. 1 ACRE SIZE, \$2.00. 5 ACRE SIZE, \$9.00

Complete Book on Farmogerm and Inoculations FREE. Always state for what crop Farmogerm is desired when ordering.



VEGETABLE NOVELTIES FOR 1913

"SURE CROP" STRINGLESS WAX BEANS

A variety which seems to always produce a good yield, regardless of conditions. The pods are long, slender and very brittle and we would consider it among the best, if not the best Wax Bean on the market to-day. The pods are rich golden yellow, produced in abundance, are practically rust-proof. The seed may be planted very early, earlier than most other Wax Beans. The originator, a man who has produced more good varieties of beans than any other, in late years has been improving this strain, until he thinks it good enough now for any one to plant. The crop is rather limited, so that early ordering is advisable. Per pkt. 10c., 30c. per pt., per qt. 50c., \$1.75 per 4 qts., per peck \$3.25.

GARDEN PEA, "LITTLE MARVEL"

A decided improvement on the varieties "American Wonder" and "Nott's Excelsior," which it will eventually take the place of. The pods, which average about $2\frac{1}{2}$ inches long, are often filled with 6 or more delicious wrinkled Peas. The vines require no stakes, being from 15 to 18 inches high. Always yielding a heavy crop, "Little Marvel" is to-day conceded to be the best early wrinkled pea in existence. Per pkt. 10c., 25c. per pt., per qt. 50c., \$1.75 per 4 qts., 8 qts. \$3.25.

SPECIAL OFFER

- 1 Pint Surecrop Wax Beans.
- 1 Pint Little Marvel Peas.
- 1 Pkt. Copenhagen Market Cabbage.
- 1 Ounce Garden Giant Spinach.

Regular Value
75 Cents
Special Price
60 Cents
(Postpaid 75c.)



Copenhagen Market Cabbage

NEW CABBAGE, "COPENHAGEN MARKET"

The earliest strictly round head variety in cultivation, all heads of which are ready for cutting at one time if necessary, which to market gardeners is a most important point, as it gives them an opportunity of using their grounds for other purposes needed. The loose leaves around a very solid head, which is almost ball-shaped, are light green and rather small. The heads frequently weigh as much as 10 lbs. It combines the most excellent qualities of Danish Ball Head, except that it is almost as early as the Jersey Wakefield and has a fine-grained white interior. Per pkt. 10c., 25c. per $\frac{1}{2}$ oz., per oz. 50c., \$1.75 per $\frac{1}{4}$ lb.

NEW SPINACH, "GARDEN GIANT"

Last year we distributed this variety among our market garden customers, with the idea of getting for it a suitable name (and the above is the result), for which we offered a prize of \$5.00. The leaves are almost three times as large as any other spinach we know of. Of a rather light green color and not crinkled. It is as tender, though, as any other and by reason of the gigantic plant it produces, is very prolific, yielding more on given space than any other sort. It is recommended for spring crop, not for hot weather. 5c. per pkt., per oz. 10c., 25c. per $\frac{1}{4}$ lb., per lb. 60c.



Michell's Improved Globe Tomato

THREE GOOD TOMATOES CRACKER JACK

For several seasons our customers have been getting splendid satisfaction from this variety. It is one of the earliest Tomatoes grown and a continuous bearer until frost, the latter being one of its chief characteristics, most early tomatoes having finished by the middle of September. The fruit is medium sized, brilliant red, very smooth and solid, with remarkably few seeds. Grows principally in clusters of from 5 to 10 tomatoes, which are invariably uniform in shape. Per pkt. 20c., 50c. per 3 pkts., per $\frac{1}{2}$ oz. 60c., \$1.00 per oz.

RED ROCK

By actual observation we believe this to be the best main crop tomato. It is certainly well named, being almost as solid as a stone. The fruit is very large and somewhat longish in shape; a heavy cropper. Color, light red. For canning or market purposes this will be found better than any other. It starts to bear in mid-season and lasts until heavy frosts kill the plant. 10c. per pkt., $\frac{1}{2}$ oz. 15c., 30c. per oz., $\frac{1}{4}$ lb. \$1.00.

MICHELL'S IMPROVED GLOBE (See Cut)

This variety is the result of careful breeding and reselecting of stock from Livingston's Globe by a tomato hobbyist in Pennsylvania. The purplish red fruits are all uniform, of medium to large size and for slicing it cuts easier and to greater advantage than any other variety, and on this account is recommended for home and market garden planting. It is reasonably free from acid, is meaty, comes into bearing after the extra early sorts, producing heavily until frost time. 10c. pkt., $\frac{1}{2}$ oz. 25c., 50c. per oz., $\frac{1}{4}$ lb. \$1.75.

Special Offer. Pkt. each of the above three tomatoes, 35c.

The Varieties of Vegetables Offered on This Page Have Been Thoroughly Proven



SPECIALTIES FOR 1913

SUGAR CORN "EARLY GIANT WONDER" (*See cut*)

Introduced by us several years ago with great success; it is a true sugar corn, combining the earliness of the hybrid kinds with the sweetness of the later varieties. The ears are large, well shaped and the kernels in rather even rows, so that it may readily be eaten from the cob. It is lusciously sweet and a variety that will recommend itself instantly to anyone who likes a delicious sugar corn. The demand for this is usually large, so that we are often not able to supply, and for this reason we recommend early ordering. Packet 10c., 25c. per pint, per quart 50c., \$1.75 per 4 qts., per peck \$3.25.

NEW MUSK MELON OR CANTALOUPE "GOLDEN WEST" (*See cut*)

Last year we gave papers of this seed gratis with orders, and offered a prize of \$5.00 for the best name to be submitted by September 10, 1912. From the many names suggested we picked the above, for the reason that it seemed to fit conditions best, viz: The variety has a golden yellow interior and originated in California. The fruit, which is early, is larger than the average Cantaloupe (Weighing from 3 to 10 lbs.). The meat is brilliant golden yellow, which ripens almost to the rind. It is juicy, unusually sweet and possesses a firmness which makes it not only a good shipper, but an excellent keeper. The outside is only slightly ribbed with irregular nettings, light green with a slight yellowish cast, as it ripens. The originator claimed, whenever he started for market with a load of these melons, he was constantly besieged by householders, desirous of purchasing a supply. As a consequence, he said, there were none left, on these occasions, to take to market, so he turned back home, his stock being sold. Per packet 10c., 15c. ½ oz., per oz. 30c., \$1.00 per ¼ lb.

"Golden West"
ought to be in
your garden
this year.



The above two varieties of Vegetables are among the best for 1913

MICHELL'S "DISTINCTIVE" VEGETABLE SEEDS

ASPARAGUS (Sow 5 lbs. per acre, or 1 oz. to a 50 ft. row.)

This can be grown from seeds or roots, the latter preferred. Seed should be sown thinly in early spring in rows 1 ft. apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed, from where it can be cut three years later. "Michell's Booklet on Asparagus Culture" gives full information and is mailed free, or included in orders if asked for.

Michell's Giant Argenteuil (Special Strain).

Of all the varieties that we have extensively tried, this has been found to excel, both from a point of productiveness, tenderness, earliness and resistance to diseases. In size it is a giant, a marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. It is the one variety that succeeds well in all soils and climates. Color, pure white, with a greenish purple tip. Pkt. 10c., 20c. per oz., 1/4 lb. 40c., \$1.25 per lb.

Per 100 Per 500 Per 1000

Roots, 2-year-old\$1.00 \$4.00 \$7.50
3 " 1.75 7.50 15.00

Barr's Mammoth. A variety producing heavy, stout spears of delicious flavor; the growth remains green when cooked; a very popular sort. Pkt. 5c., 10c. per oz., 1/4 lb. 25c., 80c. per lb.

Per 100 Per 500 Per 1000

Roots, 2-year-old\$0.75 \$3.00 \$5.50
3 " 1.50 6.50 12.50

Columbian Mammoth White. Large, handsome type producing pure white spears; a very tender variety, suitable for canning. Pkt. 5c., 10c. oz., 1/4 lb. 25c., 85c. per lb.

Per 100 Per 500 Per 1000

Roots, 2-year-old\$0.75 \$3.00 \$5.50
3 " 1.50 6.50 12.50

Conover's Colossal. A large, prolific sort similar to Barr's Mammoth, but the stalks are a trifle larger and lighter in color. Pkt. 5c., 10c. oz., 1/4 lb. 20c., 50c. per lb.

Per 100 Per 500 Per 1000

Roots, 2-year-old\$0.75 \$3.00 \$5.50
3 " 1.50 6.50 12.50

Palmetto or Eclipse. One of the earliest, producing uniform stalks, prolific and finely flavored; color, green. Pkt. 5c., 10c. oz., 1/4 lb. 20c., 50c. lb.

Per 100 Per 500 Per 1000

Roots, 2-year-old\$0.75 \$3.00 \$5.50
3 " 1.50 6.50 12.50

ASPARAGUS ROOTS

Procurable from October 15th to May 15th.

Two and three-year-old, see prices under respective varieties above.

Giant Forcing Asparagus Roots. (Eight years old.) \$2.00 per doz., per 25 \$3.50, \$12.00 per 100.



Michell's Giant Argenteuil Asparagus

For Asparagus Growing Accessories see opposite page

ARTICHOKE

(French)

1 Ounce will produce 500 plants.

Sow seeds in January in greenhouse or in hotbeds in March or outdoors in May, if sown outdoors transplant when large enough in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter with leaves or straw.

Green Globe Artichoke

Green Globe. Pkt. 5c., 15c. ½ oz., 1 oz. 30c., \$1.00 per ¼ lb. Ask for Special Leaflet No. 101 on Artichoke Culture.

ARTICHOKE PLANTS (Green Globe)
(Ready in April)

We grow a large stock of these, for those who do not care to bother with them from seed, thus they can be assured of an early crop. The cultural and cooking method is fully explained in Leaflet No. 101. \$1.50 per doz., 25 for \$2.50, \$10.00 per 100 (by express only).

ARTICHOKE ROOTS (Jerusalem)
(Ready in April)

Sometimes called the American Artichoke, used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. Cultural and cooking method is fully explained in Leaflet No. 101. 15c. qt., peck 75c., \$2.50 per bu.

ANISE HERB (Annual, not Hardy)

Frequently used for flavoring and medicinal purposes. Cultural directions for this and other herbs is given in Leaflet No. 113. Pkt. 5c., 10c. oz., ¼ lb. 35c.

BALM HERB (Annual, not Hardy)

Leaves are used for making wine, tea, etc. As a food for bees the flowers are invaluable. Cultural directions are given in Leaflet No. 113. Pkt. 5c. and 10c., 30c. per oz.

BORAGE HERB (Annual, not Hardy)

The leaves are used principally for mixing with salads and for flavoring, bees also thrive on the bloom, which is rich in honey. Culture is given in Leaflet No. 101. Pkt. 5c., 10c. per oz., ¼ lb. 35c.

BROCCOLI One Ounce will Produce 3000 Plants

A vegetable much resembling cauliflower and often grown where the latter does not thrive. The cultural method is much like that for cauliflower planted outdoors, which is given in Leaflet No. 108.

White Cape. Pkt. 5c. and 10c., 15c. ½ oz., oz. 30c., \$1.00 ¼ lb.

BRUSSELS SPROUTS**One Ounce will produce 3000 Plants**

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost. For Complete cultural method ask for Leaflet No. 105.

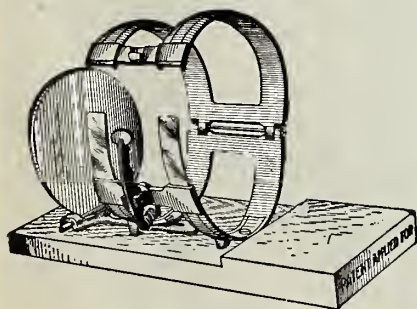
Matchless Improved. Pkt. 5c. and 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. \$2.50.

BRUSSELS SPROUTS PLANTS
(Ready in July)

25 for 20c., 50c. per 100 (by mail 65c.), per 1000 \$3.50.

*Brussels Sprouts***ACCESSORIES FOR ASPARAGUS CULTURE**

It is well to have the necessary equipment when growing this luscious article, whether used for home consumption or market, it is more valuable when properly cut, bunched and tied.

**ASPARAGUS BUNCHERS**

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$1.75.

BOOKS ON ASPARAGUS

By Barnes and Robinson, 50c. per copy.

By Michell, 10c. per copy.

The latter book included free with all seed orders where asked for.

**ASPARAGUS KNIVES**

Bateman's (see cut) \$0.30
American. V-shaped blade40

RAFFEA (Tying Grass)

The ideal material for tying asparagus bunches in a neat and economical manner.

	¼ lb.	Lb.	5 lb.
Natural	..... \$0.05	\$0.20	\$0.90
Colored in various shades	.15	.50	2.25

RAFFEATAPE

A linen and paper composition, in rolls of 250 yards; color, Nile green. Per roll 75c., 6 for \$4.25.

JUTE TWINES

Very soft and pliable, 2-, 3- and 5-ply. 10c. per large ball, lb. 20c.

ASPARAGUS TAPE

Fast red, water-proof, in 1000-yd spools, \$2.25 each.

ASPARAGUS SALT (Agricultural)

Applied in the spring for destroying weeds; 600 to 800 lbs. per acre. \$1.00 per 100 lbs., 200 lbs. \$1.50, \$10.00 per ton.

ASPARAGUS FERTILIZER

Compounded after a formula recommended by the Department of Agriculture; apply 800 lbs. per acre. \$2.50 per 100 lbs., 200 lbs. \$4.00, \$35.00 per ton.

Cultural Leaflets, as noted, are distributed Free. Ask for them by number



Getting Michell's (Improved Strain) Stringless Green Pod Beans ready for Market

DWARF GARDEN BEANS (Green Podded)

Plant $1\frac{1}{2}$ Bushels per acre. If desired by mail add 8c. per Pint, 15c. per qt. for postage

Sow in rows 2 feet apart, using about 1 quart to every 100 feet of drill, keep the soil well stirred between the rows. Plant when all danger of frost is past in succession once every week until 8 weeks before frost. Cultural Leaflet No. 103 is very explicit on bean growing; ask for a free copy.

ALL VARIETIES 10c. PER LARGE PKT. POSTPAID

Michell's Improved Strain of Stringless Green Pod. This strain is without doubt the most tender string bean in cultivation, even when the pod has become quite old it still retains its stringless qualities; that, however, is not the only thing in its favor, it recommends itself through its extreme earliness, prolific and continuous bearing qualities and superior flavor. This variety can be planted successively through the entire season; its handsome round pods often seven inches long delight the eye of any housewife; they fairly melt in your mouth. The leading sort for the home or market garden. Pt. 25c., 40c. qt., 4 qts. \$1.50, \$2.50 per peck, bushel \$10.00.

Stringless Green Pod (Usual Strain). While this is a good type, the Improved Strain offered above is worth the difference. Pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.25 per peck, \$9.00 bushel.

Michell's Improved Red Valentine. A carefully selected stock of this well-known variety; its popularity is due to the fact that it is one of the earliest sorts, maturing often in 45 to 50 days. It can withstand early slight frosts without injury; its foliage is immense, it always produces a heavy crop of long round deep colored pods, which if wanted in a tender stage should be picked while young, in this condition they are absolutely stringless. On account of its prolific habit, and large pod, it is desirable for market purposes, while for the home garden few can equal it. Pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.00 per peck, bushel \$8.00.

Red Valentine (Usual Strain). This is the old-fashioned favorite, from which the above is a distinct selection. 15c. pt., qt. 30c., \$1.10 per 4 qts., peck \$1.75, \$7.00 per bushel.

FARMOGERM (Nitrogen Gathering Bacteria)

This wonderful preparation will revolutionize your bean crop, both in quantity and length of bearing time. Use according to directions and always mention the crop for which it is wanted. 50c. bottle (postpaid). (See page 15 for particulars.)

All Cultural directions as given apply to the latitude of Philadelphia.



DWARF GARDEN BEANS, Green Podded Varieties—Continued

Large Packets of Beans, all varieties, 10c. postpaid

Best of All. A highly desirable sort for private garden use, the pods are long, set early and yield in great abundance; very tender. Per pt. 15c., 30c. per qt., 4 qts. \$1.00, \$1.75 per peck, per bu. \$7.00.

Black Valentine. Pods very long and slender, round and well flavored. Per pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 per peck, bu. \$9.00.

Early Long Yellow Six Weeks. The word yellow refers to the seed only, pod flat, very early, tender and long. Per pt. 15c., 25c. per qt., 4 qts. 90c., \$1.50 per peck, per bu. \$6.00.

Early Mohawk. This variety can be planted before any other sort, being quite hardy, large cropper, flat pod. Per pt. 15c., 25c. per qt., 4 qts. 90c., \$1.50 per peck, per bu. \$6.00.

Extra Early Refugee. An extremely early, fleshy, round-pod variety. 15c. per pt., per qt. 25c., 90c. per 4 qts., per peck, \$1.50, \$6.00 per bu.

Mammoth Stringless or Giant Valentine. An improvement on Burpee's Stringless Green Pod and, while not so prolific, makes a much larger pod. Per pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 per peck, bu. \$9.00.

Triumph of the Frames. For forcing this is especially desirable, the pods are round, thin and tender but very long. It is also desirable for outdoor planting. Per pt. 25c., 45c. per qt., 4 qts. \$1.60, \$2.75 per pk., bu. \$11.00.

Longfellow. A splendid green string bean, with extra long well-formed pods; tender, early and delicious; very prolific and profitable to grow. 15c. pt., qt. 30c., \$1.00 per 4 qts., peck \$1.75, \$7.00 per bu.

Sion House. A round-podded sort, suited to forcing. A great producer excellent also for sowing outdoors. 35c. per pt., per qt. 60c., \$2.15 per 4 qts., peck \$3.75.

DWARF BEANS FOR SHELLING (Winter Use)

If there is any vacant space in the garden it always pays to plant some of these varieties for soups, baked beans, etc.; they are grand. They can be used in the green state like other sorts, but for the first-named purpose they are best.

Boston Navy or Pea. For soup and baking purposes. Per pt. 15c., 25c. per qt., 4 qts. 80c., \$1.25 per peck, bu. \$5.00.

Broad Windsor. An English bean used in the dry state shelled, plant in rows about 3 feet apart, about 8 inches apart in the row. 20c. per pt., per qt. 35c., \$1.25 per 4 qts., \$2.00 per peck.

White Kidney or Royal Dwarf. Per pt. 15c., 25c. per qt., 4 qts. 75c., \$1.30 per pk., per bu. \$5.25.

White Marrowfat. 15c. per pt., per qt. 25c., 80c. for 4 qts., per peck \$1.50, \$6.00 per bu.

Dwarf Horticultural. One of the best shell beans grown, the pods are colored red and green, the bean is large, round and speckled. Pt. 20c., qt. 35c., \$1.25 per 4 qts., peck \$2.25, \$9.00 per bu.

WAX OR YELLOW PODDED BEANS

These should not be planted quite as early as the green varieties, they being more tender are liable to rot.

Michell's Improved Strain Dwarf Golden Wax (Rust Proof)

This type far surpasses the old favorite in many points; the plants are very vigorous and thereby rust-resisting. Pods are formed quite early and in great profusion. The handsome masses of golden beans are very uniform, being broad, thick and almost solid flesh, exceedingly tender and brittle, with no coarse or fibrous growth during any period of development. 25c. pt., qt. 40c. \$1.50 per 4 qts., peck \$2.50, \$10.00 bu.

Dwarf Golden Wax Rust Proof (Usual Strain). Pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 per pk., bu. \$9.00.

Black or German Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early and desirable. Per pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 per peck, per bu. \$9.00.

Stringless White Wax. A very hardy variety for early planting, makes a beautiful pod almost pure white. Pt. 25c., 40c. per qt., 4 qts. \$1.50; \$2.75 peck, bu. \$11.00.

Currie's Rust-Proof Wax. An improved type; a tremendous yielder with long flat pods. Per pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.25 peck, bu. \$9.00.

Hodson Wax. This is an absolutely rust-proof sort, the pod is half-round, almost flat; very tender and long. Per pt. 15c., 30c. per qt., 4 qts. \$1.10, \$1.75 per peck, bu. \$7.00.

Round-Podded Kidney Wax. A vigorous grower, producing very fleshy pods entirely stringless and rust-proof. Per pt. 20c., 40c. qt., 4 qts. \$1.40, \$2.50 per peck, bu. \$10.00.

Valentine Wax. The earliest wax bean in cultivation; pods round, rust-proof and very fleshy; entirely stringless. Per pt. 20c., 40c. per qt., 4 qts. \$1.35, \$2.50 per peck, per bu. \$10.00.

Wardwell's Kidney Wax. A favorite market bean; pod flat, very long and productive. Per pt. 20c., 40c. qt., 4 qts. \$1.35, \$2.50 peck, bu. \$10.00.

Davis' White Wax. A long slender-podded sort, almost white, very fine. Pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 per peck, per bu. \$9.00.

FARMOGERM. A high grade nitrogen bacteria used in growing garden beans, produces wonderful results. 50c. per trial bottle. See page 15 for particulars.



Michell's (Improved) Golden Wax Bean

Note—If Beans are wanted by mail add 8c. per pint or 15c. per qt. to prices herewith quoted



Michell's Evergreen Pole Limas

LIMA BEANS

One quart will plant 100 hills; 12 to 15 qts. per acre.

Plant when all danger of frost or cold nights are over, don't be afraid to put a liberal number in a hill, as this is cheaper than replanting; often one bean germinates where another won't even in the same hill.

POLE VARIETIES

Michell's Evergreen (see illustration). A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt. 15c., 35c. per pt., qt. 60c., \$2.00 per 4 qts., pk. \$3.75.

Carpenteria. A variety that retains its green color in all stages of growth, even after being dried, with this it combines wonderful prolificness, flavor and size, a good early variety, 3 to 4 beans in a pod. Pt. 25c., 45c. per qt, 4 qts. \$1.50, \$2.50 per peck, bushel \$9.00.

POLE VARIETIES—Continued

Dreer's Improved Potato or Challenger. Early and more prolific than the Large Lima; beans small, extra quality. 20c. per pt., per qt. 35c., \$1.25 per 4 qts., peck \$2.00, \$7.60 per bu.

Extra Early Jersey. An excellent variety, prolific and tender. 20c. per pt., qt. 35c., \$1.10 for 4 qts., peck \$1.90, \$7.50 per bu.

Ford's Mammoth Podded. Pods six to nine inches long; excellent for the home garden, heavy producer. 20c. per pt., qt. 35c., \$1.10 per 4 qts., peck \$2.00, \$8.00 per bu.

King of the Garden. Vigorous grower, producing a continuous bloom and fruitage to extreme end of season. Pods are of enormous size, many specimens measuring from five to eight inches, producing as high as six beans to the pod, perfectly formed and of superior quality. 15c. per pt., qt. 30c., \$1.10 per 4 qts., peck \$1.75, \$6.75 per bu.

Michell's Selected Large Jersey. Has proven exceedingly satisfactory; beans are very tender and luscious. An extra selection of seed stock; large fine beans, all hand picked. 20c. per pt., qt. 40c., \$1.50 per 4 qts., peck \$2.75, \$11.00 per bu.

Shotwell's Improved. An extra early sort similar to Dreer's Improved but much more desirable. It is sweet and tender, being one of the first Limas in the market. 20c. pt., qt. 35c., \$1.25 per 4 qts., peck \$2.00, \$8.00 bu.

BUSH LIMAS

Bush Limas should be planted for early crops, as they come into bearing much sooner, but are not so prolific as the pole varieties.

Fordhook. This is the best type of bush lima in cultivation, it has a distinct upright vigorous growth; the pods, which are borne in clusters well above the ground, frequently contain as many as 4 thick luscious beans. It matures very early and continues in bearing till frost. Pt. 25c., 45c. per qt., 4 qts. \$1.40, \$2.75 peck, bu. \$10.00.

Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima, that it should be used instead; the bean is thicker, sweeter and earlier, being also more prolific. Pt. 20c., 40c. per qt., 4 qts. \$1.50, \$2.50 per peck, bu. \$10.00.

Burpee's (Old Variety). A true, large-seeded lima in dwarf form. 20c. per pt., per qt. 35c., \$1.10 per 4 qts., peck \$1.90, \$7.60 per bu.

Dreer's. A small, round-seeded, late variety. 20c. per pt., per qt. 35c., \$1.10 for 4 qts., peck \$2.00, \$8.00 per bu.

Henderson's. The earliest sort, beans are flat, very small and tender, of excellent flavor. 20c. per pt., per qt. 30c., \$1.00 for 4 qts., peck \$1.90, \$7.60 per bu.

New Wonder. An improvement on the old type Burpee's Bush Lima which it resembles, being large and flat, except that it is much earlier. 20c. per pt., per qt. 35c., \$1.10 for 4 qts., peck \$2.00, \$8.00 per bu.

POLE STRING BEANS (NOT LIMA)

Plant in hills four feet apart, four or five beans in a hill, eyes downward, afterward thin to three plants in a hill.

Early Golden Cluster Wax. Pods very tender, six to eight inches long, of large size, borne profusely in large clusters of three to six beans; beautiful golden yellow color, which they retain after being picked. Pt. 20c., 40c. per qt., 4 qts. \$1.50, \$2.50 per peck, bu. \$10.00.

Horticultural or Speckled Cranberry. Speckled red and green pod. Used extensively for shelling, very prolific, and a late cropper, long pods usually containing from 9 to 12 beans. Pt. 15c., 30c. per qt., 4 qts. \$1.10, \$2.00 per peck, bu. \$8.00.

Kentucky Wonder (Old Homestead). (Green Pod.) One of the best green pole beans, producing pods in clusters, ready for use about 85 days from time of planting; very tender pods, almost stringless, often 8 inches long. Pt. 20c., 35c. per qt., 4 qts. \$1.10, \$2.00 per peck, bu. \$8.00.

Lazy Wife's. (Green Pod.) Excellent, heavy cropper. Pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 per peck, bu. \$9.00.

Scarlet Runner. (Green Pod.) Sometimes used for its showy scarlet flowers, although it is fine for cooking when shelled. Pt. 20c., 35c. per qt., 4 qts. \$1.20, \$2.00 per peck, bu. \$8.00.

CEDAR BEAN POLES (Pointed)

Extra selected quality, 25 for \$2.75, \$5.00 per 50, per 100 \$9.00

Large Packets, all varieties of Beans, 10c. postpaid



TABLE BEETS One ounce will sow 50 feet of row; 5 lbs. will sow an acre

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in rows. Send for Cultural Leaflet No. 104 on beets.

Beet Seed is again exceedingly scarce, owing to the great shortage of roots that were calculated to be planted for seed stock.

Crosby's Egyptian. One of the earliest beets, especially desirable on account of its rich blood red color throughout, and its extreme tenderness, which it retains through all stages of growth. Used for an early spring and winter variety, it being a good keeper. Pkt. 5c., 20c. oz., per ¼ lb. 75c., \$2.75 lb.

Crimson Globe (Michell's Improved). Almost round in shape, of a rich deep red color. It has a distinct delicious flavor and is very tender, good for sowing early for forcing and summer use. Pkt. 5c., 20c. per oz., ¼ lb. 75c., \$2.75 per lb.

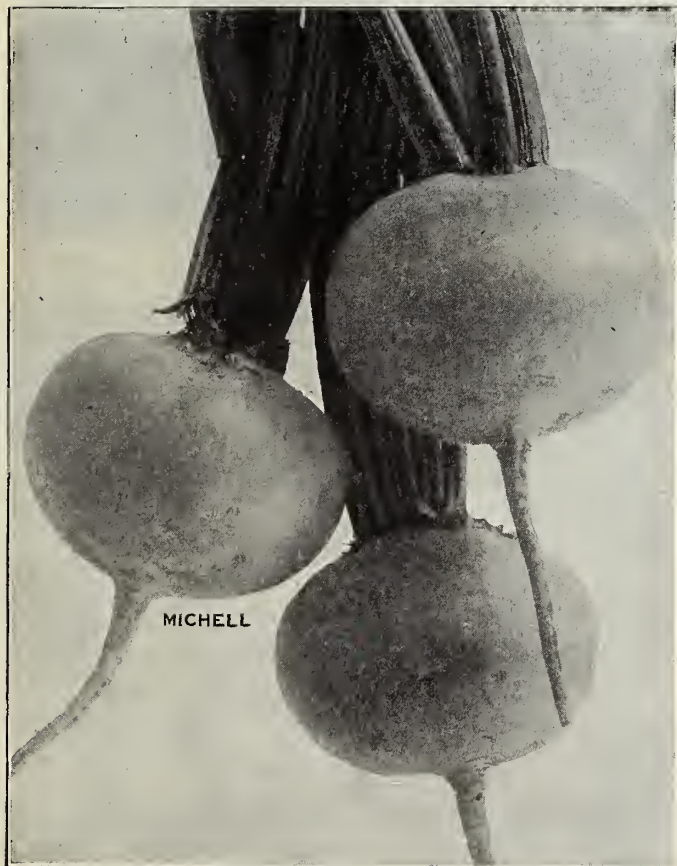
Arlington Favorite. Extra early; exceedingly sweet, rich, blood red, turnip-shaped. Pkt. 5c., 15c. per oz., per ¼ lb. 55c., \$2.00 per lb.

Bastian's Extra Early. The best beet for market and family use, grows quite large, turnip-shaped. Pkt. 5c., 15c. per oz., per ¼ lb. 55c., \$2.00 per lb.

Bastian's Half Long Blood. A valuable variety to follow Bastian's Extra Early; used extensively for winter use, when it should be sown in July. Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.85.

Detroit Dark Red. A desirable type of turnip-shaped beet, very tender, excellent for winter keeping. Pkt. 5c., 15c. per oz., per ¼ lb. 55c., \$2.00 per lb.

Eclipse. Perfectly smooth and round, skin and flesh intense red. An excellent sort for forcing or for planting in the garden; medium size. Pkt. 5c., 15c. per oz., per ¼ lb. 55c., \$2.00 per lb.



Crosby's Egyptian Beet

TABLE BEETS (Continued)

Edmand's Blood. A variety for early and late sowing, good flavor, turnip-shaped. Pkt. 5c., 15c. per oz., per ¼ lb. 55c., \$2.00 per lb.

Extra Early Bassano. A flat variety, flesh white and rose colored, excellent used as a buttered beet. Pkt. 5c., 15c. per oz., per ¼ lb. 50c., \$1.75 per lb.

Improved Long Blood. A good variety for fall and winter use, when it should be sown early in July. Pkt. 5c., 15c. per oz., per ¼ lb. 50c., \$1.75 per lb.

Lentz Early. Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood red. Pkt. 5c., 15c. per oz., per ¼ lb. 55c., \$2.00 per lb.

SWISS CHARD or SPINACH BEET

This variety does not produce an edible root; but its top growth, which is silver-leaved, can be separated, the rib and leaf; while the former is cooked and served like asparagus, the latter is prepared like spinach and has altogether a decidedly splendid flavor.

Silver Leaved. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Giant Lucullus. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.50.



CATTLE BEETS (Mangel Wurzel)

(Crop Very Short)

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills two inches deep, about twenty-four inches apart. Thin out to twelve inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for mangel-wurzels. Cultural Leaflet No. 104 gives explicit directions for growing and caring for this crop.

Mammoth Long Red. This is an enormously productive variety, yielding from fifty to seventy tons to the acre, a single root often weighing from twenty to forty pounds. It is the best long red mangel. Per oz. 7c., 20c. per ¼ lb., per lb. 75c. (by mail 83c.), 5 lbs. \$3.50 (by express or freight).

Golden Tankard. The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Per oz. 7c., 20c. per ¼ lb., per lb. 75c. (by mail 83c.), 5 lbs. \$3.50 (by express or freight).

Red Globe. An excellent sort, very prolific, good for late planting. Per oz. 7c., 20c. per ¼ lb., per lb. 75c. (by mail 83c.), 5 lbs. \$3.50 (by express or freight).

Yellow Globe. Contains a large amount of sugar properties, and can be used for replanting quite late. Per oz. 7c., 20c. per ¼ lb., per lb. 75c. (by mail 83c.), 5 lbs. \$3.50 (by express or freight).

Improved White Imperial. An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Per oz. 7c., 20c. per ¼ lb., per lb. 75c. (by mail 83c.), 5 lbs. \$3.50 (by express or freight).

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground, one of the best for stock feeding. Per oz. 7c., 20c. per ¼ lb., per lb. 75c. (by mail 83c.), 5 lbs. \$3.50 (by express or freight).



MicHELL'S Danish Ballhead Cabbage (Ready for Market)

CABBAGE (Long Island Grown)

One ounce will produce about 3000 plants,
4 oz. will produce enough for an acre

No grower can make a mistake in purchasing this important crop from us. Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession. Ask for cultural Leaflet No. 106, which gives full directions for growing and storing cabbage.

MicHELL'S Improved Danish Ball-Head. This excellent winter cabbage is unequalled for its keeping qualities, massiveness and weight of heads, when trimmed they weigh by several ounces more than any other variety. For boiling, cold slaw, sour kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; it seldom, if ever, rots; heads never burst. 10c. pkt., $\frac{1}{2}$ oz. 20c., 35c. oz., $\frac{1}{4}$ lb. \$1.25, \$4.00 per lb.

EARLY VARIETIES

Early Jersey Wakefield. (Improved Strain.) The finest type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. Pkt. 10c., 20c. per $\frac{1}{2}$ oz., oz. 35c., \$1.25 per $\frac{1}{4}$ lb., lb. \$4.00.

Early Jersey Wakefield (Usual Strain). Pkt. 5c. and 10c., 25c. per oz., $\frac{1}{4}$ lb. 85c., \$3.00 per lb.

Large Charleston Wakefield. Similar to the above sort but the heads are more blunt, equally as solid, while it grows almost twice the size, but matures one week later. Pkt. 5c. and 10c., 25c. per oz., $\frac{1}{4}$ lb. 85c., \$3.00 per lb.

Early Winnigstadt. Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early, nor quite so solid. Pkt. 5c. and 10c., 20c. oz., $\frac{1}{4}$ lb. 60c., \$2.25 lb.

EARLY VARIETIES—Continued

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid, excellent for winter as well as early spring, it resembles Early Summer variety somewhat, but is smaller. Pkt. 5c. and 10c., 15c. per $\frac{1}{2}$ oz., oz. 25c., 80c. per $\frac{1}{4}$ lb., lb. \$2.50.

Early Flat Dutch. A dwarf-growing type, principally used for early summer. The head while large is not so big as the Late Flat Dutch, but is otherwise of the same type. Pkt. 5c. (10c. per large pkt.), oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.25.

SECOND EARLY VARIETIES

Early Drumhead. A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. Pkt. 5c. and 10c., 25c. per oz., $\frac{1}{4}$ lb. 75c., \$2.50 per lb.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. Pkt. 5c. (10c. per large pkt.), 20c. per oz., $\frac{1}{4}$ lb. 65c., \$2.25 per lb.

Succession. A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. Pkt. 5c. and 10c., 25c. per oz., $\frac{1}{4}$ lb. 65c., \$2.25 per lb.

For Late Cabbage and Cabbage Plants See opposite Page

CABBAGE—Continued

LATE OR WINTER VARIETIES

Late Flat Dutch. (Improved Strain.) This has been selected especially for our trade, the seed being taken from the finest type of heads which were selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. For sauer kraut it is unsurpassed. Pkt. 10c., 20c. per ½ oz., oz. 35c., \$1.00 per ¼ lb., lb. \$3.00.

All Seasons. (Vandergaw.) A very large head, round and solid. It is valuable for late summer or winter use. Pkt. 5c. (10c. per large pkt.), 25c. per oz., ¼ lb. 75c., \$2.50 per lb.

Danish Ballhead. For description and price see opposite page.
Late Flat Dutch. A very large flat-headed sort, used extensively as the main winter cabbage crop. Pkt. 5c. (10c. per large pkt.), 15c. ½ oz., 25c. per oz., ¼ lb. 75c., \$2.25 per lb.

Large Late Drumhead. Much like the above except the heads are not quite as large nor as flat, it is short stemmed. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 50c., \$1.75 per lb.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it highly, being one of the best cabbages grown for either market or home consumption. Pkt. 5c. (10c. per large pkt.), oz. 25c., 75c. per ¼ lb., lb. \$2.50.

Red Dutch Drumhead. A red variety, used extensively for pickling. When cooked with a little Port wine and sugar added to it, makes a dish fit for a king. Few people can appreciate it because they have never tried it. For cold slaw it has merits over the white kinds. It is principally used for winter. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 60c., \$2.25 per lb.

Volga. The heads often weigh 12 to 15 lbs. The interior is pure white. The heads are very solid, roundish flat and of a light green color. It is claimed to be almost worm proof. One of the best for early winter use. Pkt. 10c., 25c. per oz., ¼ lb. 85c., \$3.00 per lb.

CABBAGE PLANTS ^{Ready in season} according to variety

Early Sorts. From hotbeds. All the leading varieties. Per 100 50c. (by mail 65c.), \$3.50 per 1000.

From Cold Frames Transplanted. Per 100 75c., \$6.00 per 1000.

Late Sorts. Ready July 1st. Per 100 40c., \$2.50 per 1000.



Perfection Savoy Cabbage
CATNIP HERB (Perennial)

This is used for various medicinal purposes, making tea, etc. As a tonic for cats it is excellent. Pkt. 10c., 25c. ½ oz., oz. 50c.

CARAWAY HERB (Annual)

The seeds when harvested are used for flavoring bread, producing the famous "German Kümmel Brot." Pkt. 5c., 10c. per oz., ¼ lb. 35c.

VAPORITE Destroys Cut Worms

Cabbage and Cauliflower Plants, when set in the garden, are frequently destroyed by cutworms. Vaporite worked into the soil a day or so before setting out plants will render them immune from cutworm attacks. 1 lb. 15c., 60c. per 5 lbs., 10 lbs. 90c., \$2.00 per 25 lbs.

CAULIFLOWER

One ounce of seed will produce about 3000 Plants

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames until it is safe to plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row. Ask for Cultural Leaflet No. 108. This covers cauliflower raising fully.



Michell's Selected Snowstorm Cauliflower

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; being very long and compact, it gives enormous weight to the individual heads; especially desirable for its earliness under glass, but does equally well in the late spring, summer or autumn outdoors. Pkt. 25c., 50c. per large pkt., ¼ oz. \$1.50, \$2.50 per ½ oz., 1 oz. \$5.00.

Michell's Special Strain Selected Erfurt. One of the earliest in cultivation, small leaved dwarf, for forcing or open ground; the head is not as large as the Snowstorm sort. Pkt. 20c. and 50c., 85c. per ¼ oz., ½ oz. \$1.50, \$2.75 per oz.

Early Snowball. A splendid early variety, producing magnificent medium size white heads. Pkt. 20c. and 50c., 85c. per ¼ oz., ½ oz. \$1.50, \$2.75 per oz.

Danish Giant. An ideal variety for summer use, as it will stand more drought and heat than most other sorts; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt. 25c., \$1.00 per ¼ oz., per oz. \$3.50.

Algiers. One of the best late sorts for outdoor planting; always produces a good head. Pkt. 10c., 25c. per ¼ oz., per oz. 75c.

Half Early Paris. Pkt. 10c., 20c. per ¼ oz., per oz. 65c.

Veitch's Autumn Giant. One of the finest late varieties for outdoor culture, doing especially well in the South and during dry periods. Pkt. 10c., 20c. per ¼ oz., per oz. 65c.

CAULIFLOWER PLANTS

(Ready about April 1st)

	Doz.	100
Spring plants from hotbeds	\$0.25	\$1.50
Wintered over Cauliflower Plants from cold frames..	.40	2.00
Pot-grown Plants	each 6c.	.60 4.50



Improved Long Orange Carrot

CARROT

(One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.)

For an early crop sow as soon as danger from frost is over in rows 1 foot apart, when 2 inches high thin out to stand 2 inches apart in the row. For late crop sow in May or June. The long sorts sow early, the half-long and round sorts can be sown later. For complete cultural directions ask for Leaflet No. 107.

Chantenay Half-Long. Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 5 inches long, point rooted. Pkt. 5c., 20c. per oz., per ¼ lb. 75c., \$2.75 per lb.

Danvers Half-Long. The best variety for general crop; rich orange color, a very heavy yielder and splendid keeper, a first-class carrot for all soils, and valuable both for table and stock, 6 to 7 inches long, stump rooted. We have an extra fine strain of this favorite sort. Pkt. 5c., 20c. per oz., ¼ lb. 75c., lb. \$2.75.

Early Half-Long Scarlet. A very desirable pointed root variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color, can be sown in hotbeds for early use for which purpose it is very good; 5 to 6 inches long. Pkt. 5c., 20c. per oz., per ¼ lb. 75c., \$2.75 per lb.

Early Scarlet Horn. A favorite early red variety, fine grain and good flavor, stump rooted, about 6 inches long, ideal for soups. Pkt. 5c., 20c. per oz., per ¼ lb. 70c., \$2.50 per lb.

Guerande or Oxheart. A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 or 4 inches long. It has very fine flavor and is well colored a rich orange. Pkt. 5c., 20c. per oz., per ¼ lb. 70c. \$2.50 per lb.



Chervil

CHERVIL

One ounce will sow a row 25 feet long.

An aromatic plant used extensively in Europe as a salad seasoner. It adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous crop, sow every two weeks, if one has heated frames or a greenhouse, it can be cut 4 or 5 weeks after sowing.

Double Curled. Pkt. 5c., oz. 15c., ¼ lb. 50c., \$1.75 per lb.

SEED OF THIS IS VERY SCARCE

Improved Long Orange (Michell's Special Strain). Deep orange color, 10 inches long, good flavor, yields heavily; is of excellent table quality, and is also the best for stock feeding. This strain grows unusually uniform, root for root, and gives great satisfaction; stump rooted. Pkt. 5c., 20c. per oz., per ¼ lb. 60c., \$2.25 per lb.

Rubicon Half-Long. An entirely distinct Carrot. It is the best in shape, and its deep red orange-colored flesh is the finest quality. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing, sowing in hotbeds and for growing outside. The ideal carrot for the market gardener, point rooted. Pkt. 5c., 20c. per oz., per ¼ lb. 75c., \$2.75 per lb.

Very Early Short Horn Scarlet or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt. 5c., 20c. per oz., per ¼ lb. 70c., \$2.50 per lb.

White Belgian. Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for soiling or turning under; being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt. 5c., 15c. per oz., per ¼ lb. 40c., \$1.50 per lb.



A Clump of Chives

and must be sown every season. Pkt. 5c., 10c. per oz., ¼ lb. 35c.

CHIVES (Schnittlauch)

This popular kitchen garden plant is indispensable for flavoring certain dishes, it imparts a mild onion taste, not, however, to such an extent as to render it objectionable. The plants are hardy and will last for years; don't cut the plant too close when gathering. If desired for winter use, lift and plant in a pot or box and place in a sunny window in the kitchen.

Seed. Pkt. 15c., 2 for 25c.
Strong Plants. 10c. each, doz. \$1.00, \$7.00 per 100.

CORIANDER (HERB)

The harvested seed is used for flavoring confectionery, liquors, etc. It is an annual

Ask for Cultural Leaflet No. 113, on Kitchen Garden Herbs.

CELERY

One ounce of Seed will produce 3000 to 5000 plants;
Half pound will produce enough plants for an acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way, let them remain here until July, when they should be planted where they are to mature; in rows 3 feet apart, 6 inches apart in the row. Cultural Leaflet No. 109 covers celery growing fully.



Michell's "Magnificent" Celery, a grand variety for Winter use

EARLY VARIETIES (For Thanksgiving and Christmas Use)

White Plume (Michell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. This strain of seed is a selection of the finest and best specimens, and will be found very superior in every way. Pkt. 10c., 20c. per ½ oz., oz. 35c., \$1.00 per ¼ lb.

White Plume (Regular Strain). Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb.

Early Snowdrift. An improved White Plume self-blancher, with a splendid nutty flavor, the heart is very full; a single plant producing a good quantity; matures for Thanksgiving Day. Pkt. 10c., 20c. per ½ oz., oz. 35c., \$1.25 per ¼ lb.

Golden Self Blanching (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which during the growing period are never pithy, of excellent flavor, requiring no artificial blanching process, ready for use in October but may be kept for early winter use. Our seed has been grown in France, where this vegetable attains greatest perfection, and this strain is much superior to American-grown seed. Pkt. 15c., 85c. per ½ oz., oz. \$1.50, \$6.00 per ¼ lb.

Dwarf Golden Heart. This variety comes in for use at Christmas, and keeps well into the spring. The stalk is short, stocky and very nutty. The heart or inner stalks are a rich golden yellow. An ideal home garden variety. Pkt. 5c., 10c. per large pkt., oz. 20c., 60c. per ¼ lb.

Pink Plume. A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. On the table it is quite an attraction and should be grown more extensively. It is very early and requires very little artificial blanching. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb.

Newport, Del.

I sent you a sample of your **WHITE PLUME CELERY**. Of the 5,000 set out one is like the other. The finest and best I ever grew, as with all other seeds I bought from you I am especially well pleased with the celery.

ALEX. ATWELL.

I have already sold \$500.00 worth of your **White Plume Celery** this season.

THEO. SCHALLIOLL.

Bryn Mawr, Pa.

CELERIAC

(Knollensellerie) Turnip Rooted

This distinctly German vegetable is used for two purposes, the leaves are cut when young and used to flavor soups and meats. The roots are boiled, sliced, cooled, and served as a salad; the latter are not ready for use until winter.

Giant Prague. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 60c.

CELERY PLANTS

(Ready in July)

Extra selected transplanted stock grown at our own plant establishment. 50c. per 100 (by mail, 65c.), 500 for \$2.25, \$4.00 per 1000.

CELERY PAPER for covering celery banks and trenches to exclude water. 500 sq. ft., for roll, \$1.15. \$5.25 for 5 rolls.

LATE WINTER VARIETIES

Far Superior (Michell's). This excellent variety was introduced by us some ten years ago, and has since then remained a favorite. It produces gigantic stalks, and a large, full heart, the flavor is ideal and all that could be desired. It improves with the advance of winter, and is a variety with very little waste, comes into condition for use about January. Pkt. 10c., 15c. per ½ oz., oz. 30c., 85c. per ¼ lb.

Giant Pascal. One of the largest stalked kinds, with wonderful keeping qualities. It is in its prime for use during February and March, and can be used well up into spring. Its flavor is fine and nutty, the stalks have no tendency to be stringy, and are enormously thick and meaty. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., 25c. per oz., ¼ lb. 75c.

Magnificent. It is well named for its many good qualities; it is a semi-late sort, coming into use about January. The stalks which blanch almost white are exceedingly brittle, so that it has a tendency to melt in the mouth; it is a truly good sort and should be planted extensively. Pkt. 10c., 20c. per ½ oz., oz. 40c., \$1.25 per ¼ lb.

Winter King. One of the newer sorts for late winter use. It blanches nicely, is well flavored and very crisp. Pkt. 10c., 20c. per ½ oz., oz. 40c., \$1.25 per ¼ lb.

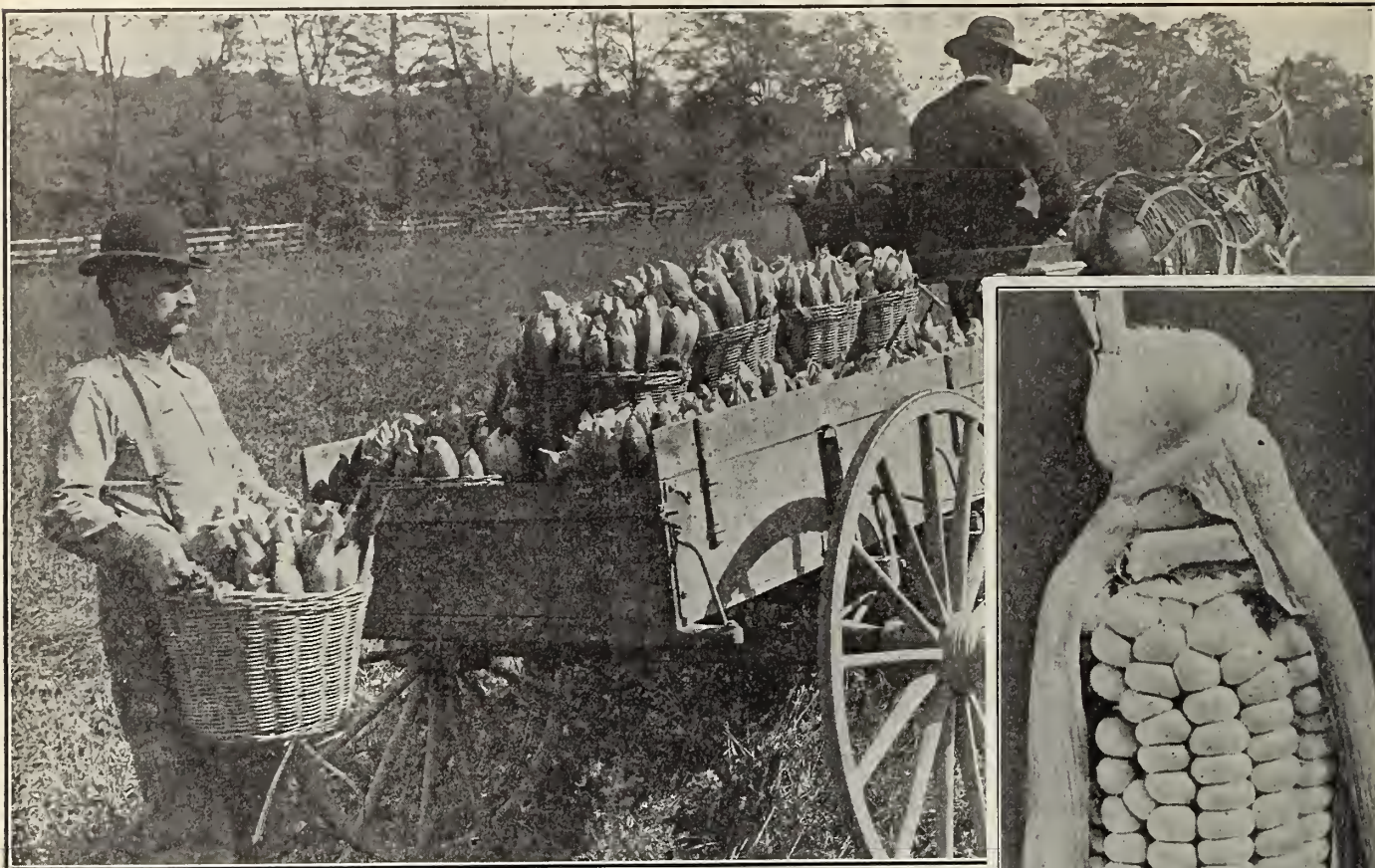
Winter Queen. A medium tall, solid variety, will retain its qualities long thro' the winter. The heart is very full and large. Pkt. 10c., 15c. per ½ oz., oz. 30c., \$1.00 per ¼ lb.

Boston Market. A very short, bushy variety, which blanches almost a pure white, with a distinct desirable flavor. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per ¼ lb.

New Columbia. A new variety of great merit, a medium tall sort, producing a large heavy stalk, three making a massive bunch, has splendid keeping qualities. Pkt. 10c., 25c. per ½ oz., oz. 50c., \$1.75 per ¼ lb.

Flavoring Celery (not for sowing). 10c. per ¼ lb., lb. 30c.

We grow Our Vegetable Plants at "Evergreen" Seed Gardens



Off to market with a load of Michell's Improved Strain Stowell's Evergreen Corn

SWEET OR SUGAR CORN

One quart will plant 200 hills;
8 to 10 quarts per acre.

Large Packets of all Varieties, 10 cents. postpaid

Plant once a week from the moment the ground is permanently warm until July 15th, drop from 6 to 8 grains in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 or 4 strong plants to the hill. Directions for successful corn growing is covered in Cultural Leaflet No. 110, free for the asking.

EARLY VARIETIES

Early Champion. Large ears, well shaped and exceedingly sweet. Pt. 20c., 30c. qt., 4 qts. \$1.00, \$1.50 per peck, bushel \$6.00.

Golden Bantam. While yellow in color, this is the sweetest and earliest corn in existence, if once planted it will be a sure favorite. The ears are medium size, tender and delicious. The plant is of dwarf growth, we recommend it very highly for the home garden. Pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.00 per peck, bushel \$8.00.

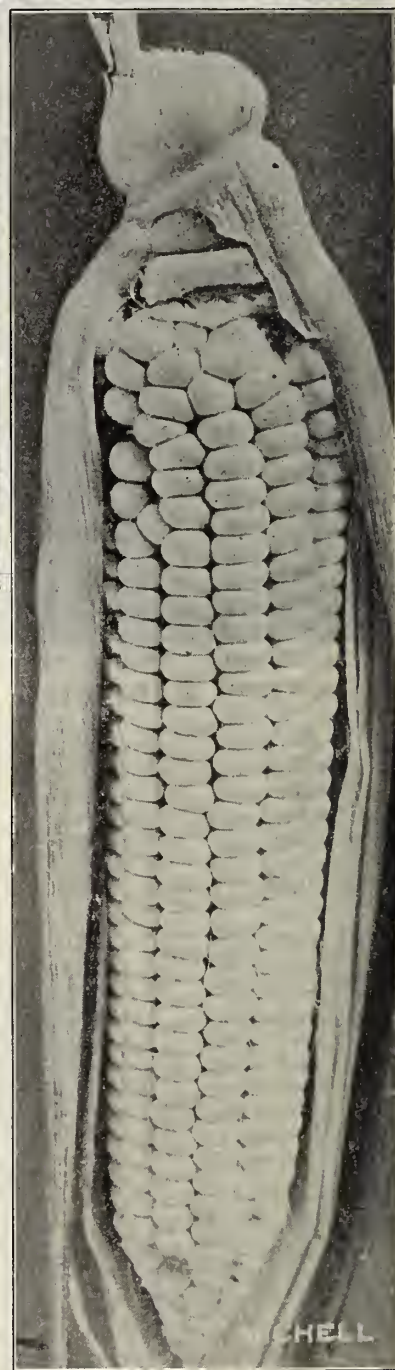
Early Giant Wonder. An extremely good sort, producing larger ears than any other type of true sugar corn, of which it is one of the earliest. 10c. pkt., pt. 25c., 50c. per qt., 4 qts. \$1.75, \$3.25 per peck, per bu. \$12.00.

Ideal. The grower of this variety has been carefully selecting it for the past fifteen years. Exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored and its extra early feature outweighs all other points against it. It comes in sooner than other white-kernel varieties. 15c. per pt., 30c. per qt., \$1.00 for 4 qts., pk. \$1.75, \$7.00 per bu.

Kendel's Early Giant. Large ears, large deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Pt. 15c., 30c. per qt., 4 qts. \$1.00, \$1.65 per peck, bushel \$6.25.

Adams' Extra Early. Best for very early planting, but not entirely sweet; white grain. 15c. per pt., per qt. 25c., 90c. for 4 qts., per pk. \$1.25, \$5.00 per bu.

Aristocrat. A typical New England corn, having originated in the vicinity of Newport, and is supplied to the summer cottagers at that point. It is extra early and extremely sweet and luscious. 20c. per pt., per qt. 35c., \$1.10 for 4 qts., per pk. \$1.75, \$7.00 per bu.



Ideal Sugar Corn

If Corn is desired by mail, add 5c. per pint, 10c. per quart, for postage.

SUGAR CORN—Continued

Large Packets of all Varieties, 10 cents postpaid

EARLY VARIETIES—Continued

Crosby's Extra Early. An old favorite sort. Ears small, grain exceedingly sweet, heavy producer. 15c. per pt., per qt. 25c., 90c. for 4 qts., per pk. \$1.40, \$5.60 per bu.

Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier. 15c. per pt., per qt. 25c., 90c. for 4 qts., per pk. \$1.40, \$5.60 per bu.

Early Mammoth. The ears and fodder both attain gigantic proportions. The former, besides being large, is handsome in appearance and exceedingly sweet. Matures just after the extra early types. 15c. per pt., per qt. 25c., 90c. for 4 qts., per pk. \$1.40, \$5.60 per bu.

First of All. The grain, when in the dry state, is slightly reddish; when green, however, it is like most other sorts of the sugar corn family. Most gardeners prefer it for their first and last plantings. 15c. per pt., per qt. 25c., \$1.10 for 4 qts., per pk. \$1.60, \$6.40 per bu.

Peep-O-Day. This corn has two valuable points—extraordinary earliness and unsurpassed sweetness. It may be used for early or late planting with equal success; claimed to be the most prolific variety grown; can be raised under glass quite successfully. 15c. per pt., per qt. 30c., \$1.10 for 4 qts., per pk. \$2.00, \$8.00 per bu.

Premo. A fine type of sugar corn, one of the real good extra early large-eared varieties. 15c. per pt., per qt. 30c., \$1.00 for 4 qts., per pk. \$1.75, \$7.00 per bu.

Stabler's Extra Early. This is the standard sort for the home garden. The large ear is well arrayed with even grains which cook pure white and are very tender. 15c. per pt., per qt. 25c., 90c. for 4 qts., per pk. \$1.40, \$5.60 per bu.

MEDIUM AND LATE VARIETIES

Michell's Delicious. The name hardly describes this sort, some fifteen years ago it was selected by an old Philadelphia gardener who bred it until he had it perfect, ever since we acquired control thereof we have placed it with our best sugar corn grower in New England with instructions to grow it for us exclusively and keep reselecting it. The ears are well filled, medium in size and mature after the early varieties. Pt. 20c., 40c. per qt., 4 qts. \$1.50, \$2.75 per peck, bushel \$11.00.

Stowell's Evergreen (Michell's Improved Strain). The best late corn grown. The ears are extra large, produced in great abundance, stalks often grow to a height of 7 feet; in sweetness it is unexcelled and for this reason it is the great favorite of the market and home gardener. Our strain has been reselected and represents not only a superior quality but a most distinct advance in this splendid variety. Pt. 20c., 40c. per qt., 4 qts. \$1.50, \$2.75 per peck, bushel \$10.00.

Stowell's Evergreen (Usual Strain). Pt. 15c., 25c. per qt., 4 qts. 75c., \$1.25 per peck, bush. \$5.00.

Country Gentleman (Michell's Improved Strain). A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high, a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type and will give unusual satisfaction. Pt. 20c., 40c. qt., 4 qts. \$1.50, \$2.75 per peck, bushel \$10.00.

Country Gentleman (Usual Strain). 15c. pt., qt. 30c., \$1.10 per 4 qts., peck \$1.80, \$7.20 per bushel.

Little Gem or Shoe Peg (Ne Plus Ultra). This variety is closely allied to Country Gentleman in every characteristic. Pt. 15c., 30c. per qt., 4 qts. \$1.10, \$1.80 per peck, bushel \$7.20.

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium sized and are produced abundantly. Pt. 15c., 25c. qt., 4 qts. 90c., \$1.50 per peck, bushel \$6.00.

Late Mammoth. Gigantic ears, of extra fine quality, produced in quantity. This is the latest maturing and largest of all sweet corns. The stalks frequently are 8 and 9 feet high. Pt. 15c., 25c. qt., 4 qts. 85c., \$1.35 per peck, bushel \$5.40.

SUGAR CORN ON EARS

Large selected specimens of Crosby's, Country Gentleman, Stowell's Evergreen, Late Mammoth, Kendel's and Stabler's. 10c. each, per doz. \$1.00, \$7.00 per 100 ears.

POP CORN



Popping Corn

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long dreary evenings of winter. When popped, buttered and sugared it is not only delicious but healthful. Not all pop corn is the right kind for popping. What we offer,

however, can be relied upon for planting or popping.

White Rice (Ears). Lb. 10c., 3 lbs. 25c., 10 lbs. 75c.

Golden Queen (Ears). (Pops white.) Lb. 10c., 3 lbs. 25c., 10 lbs. 75c.

CORN POPPERS

Made of best quality wire. Price includes handle and lid. 1 qt. size, 15c.; 2 qt. size, 25c.

CHOICE FIELD CORN FOR SEED

We are headquarters for the leading varieties, which we have had grown on contract especially for us. See page 51.



Water Cress

WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, it seeding itself.

True Erfurt. Pkt. 10c., 20c. per ½ oz., oz. 30c., \$1.00 per ¼ lb.

GARDEN CRESS

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten as gathered prepared with either a little salt and vinegar, or without; makes a very tasty salad.

Extra Curled or Pepper Grass. Pkt. 5c., 10c. per oz., ¼ lb. 20c., 50c. per lb.

If Corn is wanted by mail, add 5c. per pint, 10c. per quart, for postage.



Michell's Arlington White Spined Cucumber

CUCUMBER

One ounce of seed will plant 60 hills;
2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed in hills, 4 feet apart each way, 8 seeds in a hill, when the second set of leaves have formed thin out to 4 plants. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead, when this is used always wash the fruits thoroughly before using. Culture of Cucumbers is fully covered in Leaflet No. 111, ask for a free copy.

Michell's Arlington Improved White Spined. This cucumber is conceded to be absolutely perfect in form, color, size and productiveness and is, therefore, the leading sort for not only the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt. 10c., 15c. per oz., 50c. per $\frac{1}{4}$ lb., lb. \$1.50.

Improved White Spined. A popular strain of the above, producing fine quality. Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 30c., \$1.00 lb.

Davis' Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, measuring 10 to 12 inches on the average. Its color is dark green all over and it is quite smooth and productive. Pkt. 5c. (10c. large pkt.), 15c. oz., $\frac{1}{4}$ lb. 45c., \$1.35 lb.

Emerald. A dark green early sort, very smooth and prolific, it grows very straight, measuring on the average 8 inches. It is not as thick as some sorts, thus making it valuable for slicing. Pkt. 5c. (10c. per large pkt.), per oz. 15c., 40c. per $\frac{1}{4}$ lb., lb. \$1.25.

CORN SALAD (Fetticus)

This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover it with a litter of leaves or long manure; and upon approach of spring the covering can be taken off entirely. It can be gathered on mild days during winter.

Large Leaved, Round Seeded. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 70c. per lb.



Cool and Crisp. An improvement on the White Spined variety, being somewhat longer, earlier and continuing to bear for a longer while than most sorts. The ends are uniformly tapered, the fruits are dark green and free from spines. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Long Green Turkey. This is one of the largest cucumbers grown, used principally for slicing. Its dark color makes it desirable for market. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Cumberland. A long slender variety which is very productive; fine for pickling or slicing; average length, 8 to 10 inches; dark green color. Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 30c., \$1.00 lb.

Evergreen. The name is derived from the feature of its dark green color-retaining qualities, a thick fruit measuring about 8 to 9 inches long. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Jersey Pickle or Green Prolific. This sort can be used for slicing, but is best for pickling on account of its size, which averages 5 inches; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Japanese Climbing. A trellis variety used for shade as well as eating purposes. The vine is very ornamental, producing extra long light green fruits in abundance. Pkt. 5c. (10c. per large pkt.), 15c. per oz., $\frac{1}{4}$ lb. 40c., \$1.25 per lb.

Gherkin or Burr Cucumber. For pickling only, the small fruits are roundish long, about 2 inches, very prickly when green. Pkt. 5c. (10c. per large pkt.), per oz. 20c., 60c. per $\frac{1}{4}$ lb.

ENGLISH CUCUMBERS

These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

Covent Garden, Lockie's Perfection, Marquis of Lorne, Rochford's Market Garden, Sion House, Telegraph, Tender and True. Each per packet of 12 seeds 25c., \$2.00 per 100 seeds.

DILL HERB (Annual)

Used extensively for culinary use and for putting with cucumbers when pickling, producing the famous German "Dill Gherkin." Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 25c.



English Cucumber,
"Lockie's Perfection"
Average length, 24 inches



CHICORY



"Witloof"

Witloof. This grows in a solid oblong head and blanches ivory white. When lifting, cut whole head with part of the roots to hold the leaves together. It is the choicest of all the winter salads and is used to such an extent in this country that much of it is imported. Pkt. 5c. (large pkt. 10c.), 15c. per oz., ¼ lb. 40c., \$1.25 per lb.

Large Rooted or Common. This variety is cultivated principally for the roots, which when matured are dried and ground. It is a substitute for coffee and is used sometimes for flavoring the latter. The roots can be boiled, prepared and served like salsify. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 80c. per lb.

We have issued a special leaflet describing at length and in detail the culture of Chicory, also the way to prepare and serve it. If interested ask for Special Culture Leaflet No. 131.

THE BALL SEED AND PLANT FORCER



Style A

Style A is intended for tall-growing plants, while style B is for low-growing plants and seeds. These forcers are the invention of a market gardener with some twenty years' experience, and they have been in use by him for several seasons, so as to determine their worth. These can be supplied with or without glass at the prices named below. If furnished without glass, they can be mailed. If furnished with glass, they must travel by express or freight. They are shipped knocked down, but can be set up in a half-second. A circular with directions is furnished with each order. Just the thing to produce early potatoes, tomatoes, melons, etc., etc., as they may be set at any angle, so that the sun can pour on them all day.

A wonderful invention that produces remarkable results. As will be seen from the illustration, this is a miniature or individual hotbed or cold-frame, whichever one chooses to call it. It is made of heavy waterproof paper which will last for several seasons, with a glass top and, when set over plants or seeds, will not only enable them to be planted fully a month earlier, but will cause the crop to mature 4 to 6 weeks earlier.

PRICE LIST OF FORCERS COMPLETE

(except glass)

Style A	Each by mail	Per doz. by express	Per 100 by express	Per 1000 by express
	No glass or freight	or freight	or freight	or freight
1.....	\$.10	\$0.70	\$5.00	\$45.00
2.....	.15	1.05	6.35	57.00
3.....	.20	1.40	8.35	75.00
4.....	.30	2.15	13.25	....
5.....	.35	2.50	14.50	....
Style B				
1.....	.05	.30	1.75	15.00
2.....	.05	.35	2.00	18.00
3.....	.08	.50	3.20	28.50
4.....	.10	.70	4.20	37.50
5.....	.15	1.00	6.20	55.50
6.....	.25	1.75	10.00	....

PRICE LIST OF GLASS.

Subject to Market Changes.

Size of glass required	Per doz. glasses	Per 100 glasses
5½ x 11 in.	\$0.38	\$2.05
7 x 14 "	.65	3.30
8 x 16 "	.80	4.50
9 x 18 "	1.05	6.20
10 x 20 "	1.30	7.75
4 x 5 "	.15	.75
5 x 6 "	.20	1.10
6 x 7 "	.25	1.55
7 x 8 "	.35	2.00
8 x 10 "	.50	2.70
10 x 12 "	.75	4.05

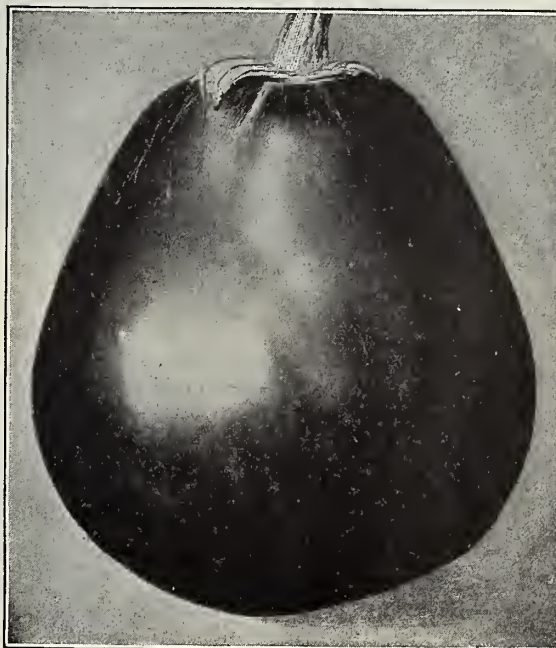
Glass cannot be sent by mail.

Single Forcers, with glass, are supplied at the same price as noted for those without glass as above, but cannot be mailed.

DANDELION

While this name applies to one of the most obnoxious weeds, this variety is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing but very healthy and highly recommended by physicians. Seed should be sown in spring thickly in a bed in the garden, where the plants should remain for the season, late in the fall cover the bed with a movable sash or leaves or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers. A new bed should be made each season.

Thick Leaved or Cabbaging. Pkt. 5c. (10c. per large pkt.), 20c. per ½ oz., oz. 40c., \$1.25 per ¼ lb.



Black Beauty Egg Plant

EGG PLANT (One Ounce will produce about 2000 plants)

Sow seed in March in hotbeds and when three inches high transplant into small pots or otherwise. Plant outdoors in May or June, or after the weather has become permanently warm. The rows should be 3 feet apart and the plants set 2 feet apart in the row. Ask for Cultural Leaflet No. 112, covering Egg Plant growing.

SELECTED NEW JERSEY GROWN SEED

Black Beauty. An extra early large variety, almost black in color, very prolific and with few seeds. Pkt. 10c., 25c. per ½ oz., oz. 45c., \$1.50 per ¼ lb.

Michell's New York Improved. An old standard, quite large and more elongated than the Black Beauty, with a rich purple color. Pkt. 10c., 20c. per ½ oz., oz. 40c., \$1.25 per ¼ lb.

Black Pekin. An extra early, small, black variety. Pkt. 10c., 15c. per ½ oz., per oz. 30c., \$1.00 per ¼ lb.

Early Long Purple. The earliest and hardiest, very productive. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 65c.

EGG PLANT PLANTS (Ready May 15th). Pot-grown. **New York Improved, Black Beauty.** Produced at our "Evergreen" Seed Gardens. Per doz. 50c., \$4.00 per 100.

MICHELL'S SEEDS ARE PRIZE WINNERS.

Bar Harbor, Me.

For the third year in succession I have won the silver cup offered by our horticultural society for the best display of vegetables. They were all grown from your seeds.

WM. McGRANAGHAN.

MICHELL'S GIANT FRINGED
ENDIVE**ENDIVE** (Sometimes called Chicory)
One ounce will sow a row 200 feet long

Sow from June to August in shallow drills and when 2 inches high thin out so the plants stand 10 inches apart. When fairly well developed tie the plants together at the top with Raffia, but do this at a time when the leaves are dry, this is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in the autumn, placed in a dry cool cellar, covering the roots with soil. If handled thus it may be had well into spring, and makes an excellent salad.

Broad-Leaved Batavian (*Escarolle*). Leaves broad, light green, nearly plain. Pkt. 5c. (large pkt. 10c.), 15c. per oz., per ¼ lb. 50c., \$1.50 per lb.

Giant Fringed (*Oyster Endive*). A strong growing variety with a large white heart and broad leaves, the heads frequently measure 15 inches in diameter. Pkt. 5c. (large pkt. 10c.), 25c. per oz., per ¼ lb. 75c., \$2.50 per lb.

Improved Green Curled. An improvement on the old Green Curled variety, producing a larger head and more leaves. Pkt. 5c. (large pkt. 10c.), 15c. per oz., per ¼ lb. 50c., \$1.50 per lb.

White Curled (self-blanching). This is the finest White Curled variety, grows to a large size, always crisp and very tender. Pkt. 5c. (large pkt. 10c.), 20c. per oz., per ¼ lb. 50c., lb. \$1.50.

FENNEL HERB (Annual)

An aromatic plant used for flavoring and in cooking, also for tea for children. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 per lb.

GARLIC SETS (Knoblauch)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort, as this produces large bulb. Plant and harvest the same as onions. 30c. per lb. (by mail 38c.), \$1.25 for 5 lbs.

HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellis, etc. It is hardy and rarely winter-kills. The hops are gathered about September and stored for use on a dry floor or hung in bags.

Seeds. Pkt. 10c., 30c. per oz.

Roots (ready in April). 10c. each, doz. \$1.00, \$8.00 per 100.

HOREHOUND HERB (Annual)

Used for various medicinal purposes and for flavoring. Pkt. 5c. (large pkt. 10c.), 15c. ½ oz., oz. 25c.

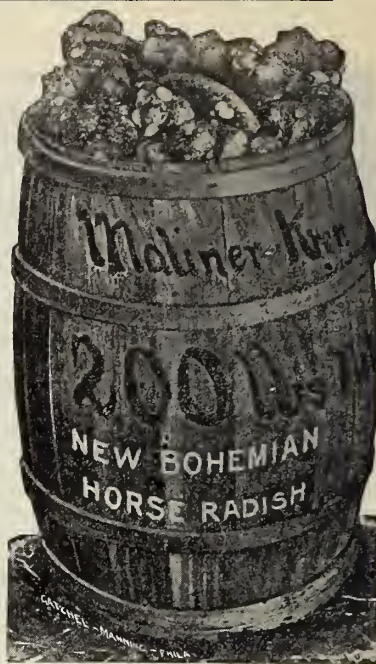
**HORSE RADISH
ROOTS**

(Ready in March)

Horseradish is used in most every household during the fall and winter months when the fresh product is ready. Set the roots in spring in rows six inches apart, about the same distance in the row. No cultivating of any amount is required. Late in the fall lift as many roots as you think you will use during the winter, cut off the top, place them in a cool cellar covered with soil or sand, and grate as wanted. A bed once planted remains for years.

Maliner Kren (*Bohemian*). Quick-growing variety, now the very best horse radish grown. Large, strong cuttings 25c. per doz., per 100 75c. (postpaid \$1.00), \$6.00 per 1000.

Regular Variety. Doz. 15c., 50c. per 100 (postpaid 65c.), per 1000 \$4.00.



MICHELL

Dwarf Curled Scotch Kale**KALE OR BORECOLE** (One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre)

For early use it may be sown in May; when desired for winter use sow in September broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition, one of the finest nutritious greens.

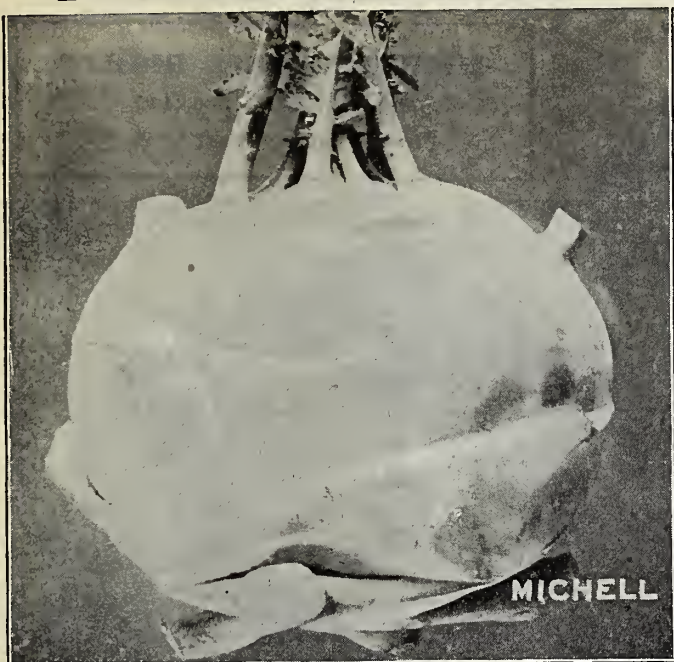
Dwarf German Green Curled. This variety is very compact growing, rarely attaining a height over six inches. The color is dark green, very curly. Pkt. 5c., 10c. oz., ¼ lb. 25c., 80c. lb.

Dwarf Green Scotch. A very good variety, quite an improvement on the Dwarf German type. It is more prolific, holds its color better, and is more densely curled; fine for winter use. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 80c. per lb.

Imperial Long Standing. The leaves are very crimp and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 90c. per lb.

Sea Kale. This variety is cooked and served like asparagus when blanched. Pkt. 10c., 25c. oz.

Vegetable Plants are offered under the respective headings for Seed



Earliest White Erfurt Kohl Rabi

KOHL RABI (One ounce will sow a row 150 feet long)

It is regrettable that this splendid vegetable is not more widely used, we would suggest that those who read these lines give it a trial and if pleased with it, recommend it to their friends. Sow seeds in early spring in hotbeds or outdoors and transplant when 3 inches high in rows 18 inches apart, 6 inches in the row. The edible part is the turnip which grows above the ground, this should be used when it attains a size of 2½ inches in diameter or less, at this stage it is extremely tender and delicious, while if it is larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root. If they get old before they are used, feed to the cows, they relish them; and it gives the milk a fine flavor.

Blue or Purple Vienna. The flesh is white, with a bluish skin. Principally used for outdoor sowing. Pkt. 5c. and 10c., 20c. per oz., 60c. per ¼ lb.

Early White Vienna. This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring an early maturity. Very finely grained and of excellent quality. Pkt. 5c. and 10c., 15c. per ½ oz., oz. 25c., 65c. per ¼ lb.

Earliest White Erfurt. A very small rooted sort; fine for forcing; exceedingly tender and sweet. Pkt. 10c., 15c. per ½ oz., oz. 30c., ¼ lb. 85c.

LAVENDER HERB (Perennial.)

This aromatic herb is grown largely for its flowers, which are very highly scented, cut and dried it is spread among linen and clothing to which it imparts an agreeable perfume. It also has the tendency of keeping away moths. Cultural directions are given in Leaflet No. 113. Pkt. 5c. (large pkt. 10c.), oz. 20c.

Lavender Plants. 10c. each, doz. \$1.00, \$6.00 per 100.

MINT

This variety is the true spearmint used for making mint sauce and juleps, also in many other ways. The plants are hardy and when once established remain for years.

Seeds, 25c. per packet.

Plants, 10c. each, doz. \$1.00, \$6.00 per 100.

MUSTARD

One ounce will sow a row 75 feet long. Another one of the things the average person who gardens knows nothing of except in a prepared state as a condiment. It makes a delicious green salad, pungent in taste, highly palatable and healthy. It should be sown every two weeks in a row the same as spinach, for a continuous supply, beginning in April. It must be used while



A Mustard Plant

young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce salad for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes.

White or Yellow. 5c. per oz., ¼ lb. 15c., 40c. per lb.

MARTYNIA (Unicorn Plant)

A bushy plant growing two feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked are preserved the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so they stand 2 feet apart each way.

Proboscidea. Pkt. 5c. (large pkt. 10c.), 15c. ½ oz., oz. 25c., 75c. per ¼ lb.

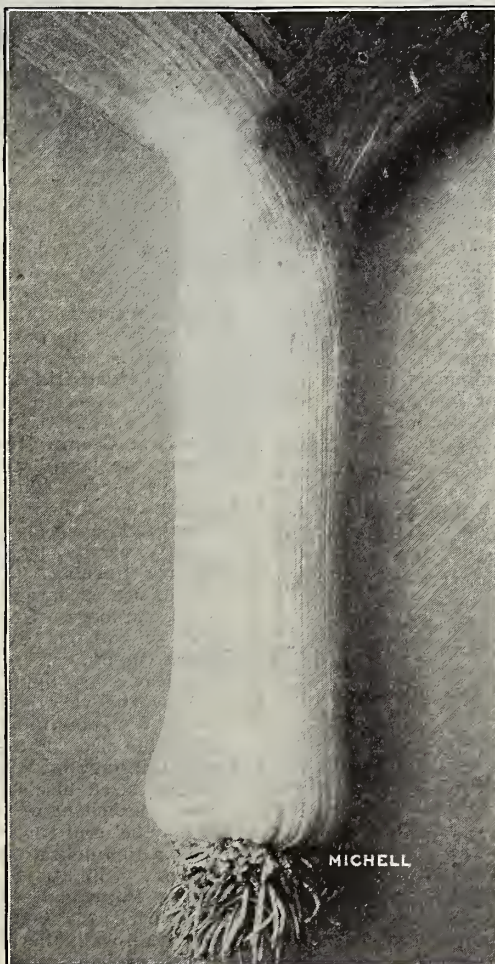
LEEK (One Ounce of Seed will sow 100 feet of drill.)

Allied to the onion family but producing no bulb, the stalks are cut and used for flavoring soups, also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch, when about 4 inches high transplant where it is to develop in rich soil in rows 18 inches apart, 6 inches in the row. When fully grown, hill soil against them to blanch them, about Nov. 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

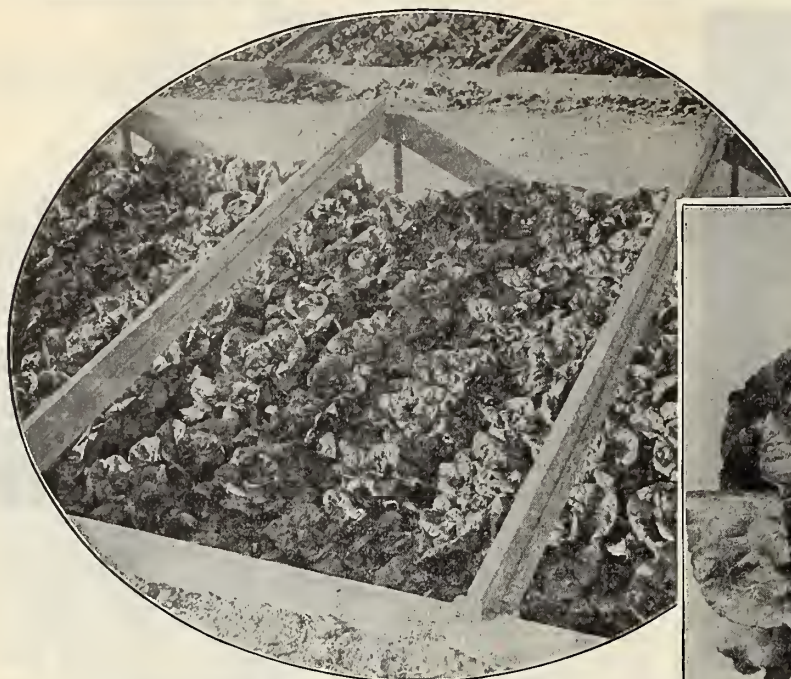
Giant Carentan. A variety which produces colossal stalks of tender quality, splendid for exhibition purposes. Pkt. 5c. (large pkt. 10c.), 15c. per ½ oz., oz. 25c., 65c. per ¼ lb., lb. \$2.00.

Large Musselburg. Of enormous size, mild flavor and tender. Pkt. 5c. (large pkt. 10c.), 20c. per oz., ¼ lb. 50c. \$1.60 per lb.

London Flag. Popular for the home garden, makes a longer but narrower stalk than others. Pkt. 5c. (10c. per large pkt.), oz. 20c., 50c. per ¼ lb., lb. \$1.60.



Giant Carentan Leek



LETTUCE (One ounce of Seed will produce 2500 Plants)

Our Leaflet No. 115 covers the growing of it outdoors and under glass; ask for a copy with your order or otherwise.

HEADING VARIETIES (Kopf Salat)

Michell's All-Right. This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors; and for sowing in August for late autumn under sash or outside; where it is not affected by cold, which with some sorts turns them brown. On the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. \$2.50.

Michell's Number One. This lettuce is a positive header under the most trying conditions. It is tender, of a decided buttery flavor, and immensely large. A valuable type for hot weather; also desirable for autumn use. This commands twice the price of other sorts, should not be used for forcing. Pkt. 10c., 15c. per ½ oz., per oz. 30c., \$1.00 per ¼ lb., per lb. \$3.00.

Michell's Spotted Dutch Butter (Private Stock). A medium sized head, light green leaves with a delicate yellow heart. The outer leaves are tinged with brown on the edges, hence the word spotted being applied. This desirable sort is suitable for forcing as well as sowing outdoors in summer. Pkt. 10c., 15c. per ½ oz., oz. 30c., \$1.00 per ¼ lb., lb. \$2.50.

Spotted Dutch Butter Lettuce (Usual Strain). Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 50c., \$1.50 per lb.

May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size with a very tender full heart. Suitable for sowing under sash in the early spring; the outside leaves are tinged a golden brown. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. \$2.50.

Big Boston. A large flat cabbage-headed variety, splendid for midsummer or fall use or under glass in the early spring and autumn, a delightful shade of light green tinged light brown on the outer leaves. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 60c., \$2.00 per lb.

Mammoth Salamander. One of the best of the midsummer varieties, resisting heat and drought wonderfully and remains in heading condition longer than many others. The heads are enormous, of a fresh green color; the loose leaves can all be used, as they are extremely brittle and tender. This strain is an improvement on the usual form. Pkt. 5c. (10c. per large pkt.), oz. 20c., 50c. per ¼ lb., lb. \$1.75.

MICHELL'S "ALL RIGHT"

LETTUCE (See Cut)

"First in Spring—Last in Fall"



All Heart. An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor, can be used for sowing in frames or in early summer and spring outdoors. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. \$2.25.

Boston Market. Early small heading variety; one of the best for forcing; the heart is very solid, crisp and pure white. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., \$1.50 per lb.

Cabbage Head Giant. A monster head lettuce with a full heart, desirable especially for summer use; 6 heads will fill a half bushel basket. Pkt. 10c., 25c. per oz., ¼ lb. 80c., \$2.75 per lb.

California Cream Butter. A good all-round summer lettuce. Heads are large, compact and well formed. It has a decided buttery flavor. Pkt. 5c. and 10c., 15c. oz., ¼ lb. 40c., \$1.25 lb.

Deacon. Used as an early spring lettuce as well as for late fall. The heads are very large and well shaped, can be forced. Pkt. 5c., 15c. per oz., ¼ lb. 40c., \$1.30 per lb.

Emperor Forcing. For sowing in greenhouses or in hotbeds. Heads are not large but very solid. It does not make a suitable head outdoors. Color light green, heart tender and buttery. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., \$1.60 per lb.

Golden Queen. A very early sort for either outdoor or forcing; the leaves are light green while the heart is almost a golden yellow and very compact, while the head is small, when prepared it makes more edible lettuce than any other variety of the same size. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c.

Early Cabbage or White Butter. A wonderful producer of the largest sized heads; while an older variety, it still is in the lead. Excellent to sow in hotbeds for early spring use, while it may be used continuously until autumn. Color a light green with a rich delicate interior, very hardy. Pkt. 5c. and 10c., 15c. per oz., ¼ lb. 45c., \$1.50 per lb.

Hanson Improved. Tremendous solid heads; the outer leaves are curled; the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., \$1.50 per lb.

See opposite page for Plants adapted for making Lettuce Dressings

LETTUCE—Continued

HEADING VARIETIES—Continued

Iceberg. A summer variety, producing solid heads of fine quality; outer leaves are curled, similar to Wonderful which it resembles very much, except the heads are somewhat smaller. Pkt. 5c. 15c. per oz., $\frac{1}{4}$ lb. 45c.

Sensation. This is an ideal summer lettuce, or it may be sown under sash for early spring use; it forms heads very rapidly. Color a light green; quality delicate, and well flavored. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.75 per lb.

Silver Ball. A combination for either forcing or outdoor sowing, an excellent heat resister, heads small and compact. Color dark green, delicate buttery flavor. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Tennisball (Black Seeded). The head is small but very hard, it matures early and is especially desirable for forcing. There are very few outer leaves, and consequently little waste. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Tennisball (White Seeded, or Boston Market). Splendid early variety, forming fine hard heads of superior quality. One of the earliest, and splendid for forcing. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Unrivalled. Very large, light green and of a crisp nature. Very desirable for summer use. As a general all-round variety few lettuces can approach it. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Wonderful. Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, having curled outer leaves, a popular kind for summer. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.75 per lb.

COS OR ROMAINE
LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth and its decided flavor. To have it real tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well. When thinning out remember that they require less room than the regular heading varieties.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. Pkt. 5c. (large pkt. 10c.), 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Trianon Self-Folding. The peculiarity of this sort lies in the fact that the crown of leaves overlap each other which closes over the heart, thus rendering it self-blanching. It is very early and ready for use ahead of the Kingsholm variety. Pkt. 5c. (10c. per large pkt.), oz. 20c., 50c. per $\frac{1}{4}$ lb., lb. \$1.50.



Kingsholm Cos Lettuce

This type is sometimes called Celery or Cos Lettuce.

LOOSE LEAF OR CUTTING VARIETIES

If you are not fortunate enough to possess a hotbed, you may enjoy outdoor-grown lettuce just as early by sowing these varieties, as though you had sown head sorts under glass. It is surprising what quantity one can obtain from a very small space, whether for early or midsummer use. The seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class is always tender and is preferred by many to the heading varieties. Some sorts as mentioned should be cut instead of pulled, as they bear for a long while from the same root.

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. Pkt. 5c. (10c. per large pkt.), 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt. 5c. (10c. per large pkt.), oz. 15c., 50c. $\frac{1}{4}$ lb., \$1.50 per lb.

Early Curled Simpson (White Seeded). Similar to the above and adapted especially for earlier growing and use. Pkt. 5c., 10c. per large pkt., oz. 15c., 45c. per $\frac{1}{4}$ lb., lb. \$1.50.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color and when given plenty of room will form a large loose head. Pkt. 5c. (10c. per large pkt.), oz. 15c., 45c. $\frac{1}{4}$ lb., \$1.50 per lb.

Oak Leaved. An open flat headed variety which is a mass of foliage, shaped somewhat like that of an oak tree; a beautiful light green color. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per $\frac{1}{4}$ lb., \$1.50 per lb.

LETTUCE PLANTS

We can supply these at all seasons in Heading Varieties.
40c. per 100, (postpaid 50c.); \$3.00 per 1000.

PLANTS USED FOR GARNISHING AND FLAVORING LETTUCE

Tarragon (Estragon). This plant is perfectly hardy and once established remains for years, the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which it imparts a flavor. Plants 25c. each, doz. \$2.50.

Borage. This is an herb which has a broad fuzzy leaf, which are cut and distributed on the salad. Seed 5c. pkt., 10c. oz., $\frac{1}{4}$ lb. 35c.

Chervil. One of the most delicious flavoring plants in cultivation, the leaves resemble a fern leaf parsley, are finely cut and mixed with the lettuce, or they can be distributed as gathered on top. To have a succession, sow seed every two weeks. Seed 5c. pkt. (10c. per large pkt.), oz. 15c., 50c. $\frac{1}{4}$ lb., \$1.75 per lb.

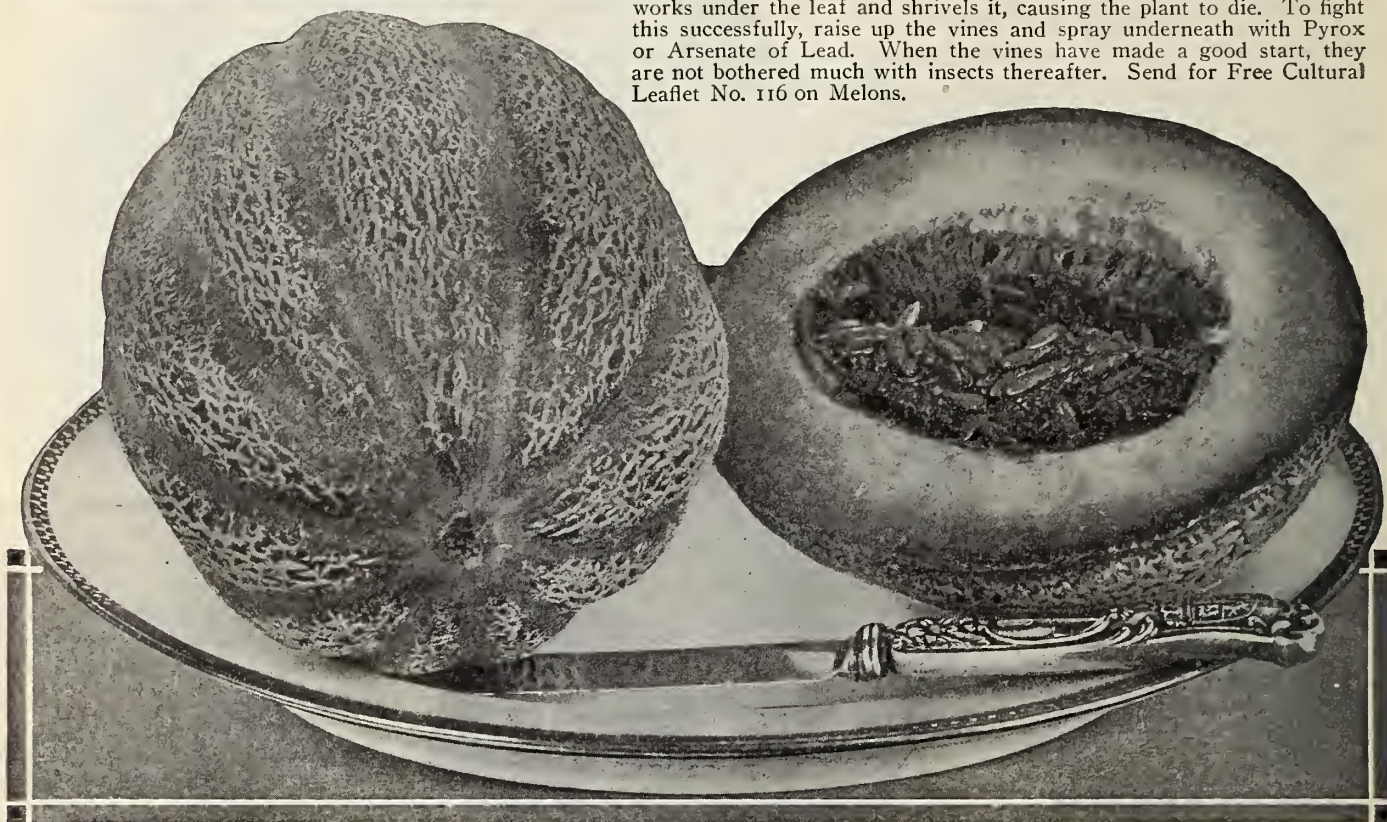
Chives. This possesses a delicate onion flavor liked by many, it adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. It is hardy and needs to be planted once only. Clumps 10c. each, doz. \$1.00, \$7.00 per 100.

Summer Savory. An herb extensively used in Germany (where it is known as "Bohnen Kraut"), which adds a delightful flavor to a dish of lettuce. Seed 5c. pkt. (large pkt. 10c.), 15c. per oz., $\frac{1}{4}$ lb. 50c.

MUSKMELON or CANTELOUPE

One ounce will plant 75 hills;
 2½ lbs. for an acre.

While these do best or reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with Pyrox or Arsenate of Lead. When the vines have made a good start, they are not bothered much with insects thereafter. Send for Free Cultural Leaflet No. 116 on Melons.



Michell's (Improved Strain) of Rockyfords

Michell's (Improved Strain) Rockyford. Our stock of this famous green-fleshed melon is grown at Rockyford, Col., by a pioneer melon grower who selects the finest fruits for seed purposes. The outside is a light green, well-netted, changing to a grayish color. It may be eaten within a 1/8 of an inch to the rind. It is mostly all meat, with a very small seed cavity and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt. 5c. (large pkt. 10c.), 15c. per oz., ¼ lb. 50c., \$1.25 per lb.

Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem on which it is really an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; as an early variety is valuable and always prolific. The netted rind is very thin and can be eaten very closely. Pkt. 10c., 20c. per oz., ¼ lb. 60c., \$2.00 per lb.

Burrel Gem. Another melon from Colorado, in size and shape like the Rockyford, except the flesh is a rich orange. Its a mouth-melter and a dandy keeper, being shipped from the West extensively to the Eastern market, arriving always in the pink of condition. It is very fleshy, with only a small seed cavity. The spicy odor is one that impresses the host or guest favorably the minute the melon is brought on the table. Pkt. 5c. (10c. per large pkt.), 15c. per oz., ¼ lb. 40c., \$1.25 per lb.

Michell's Delicious. This deservedly enjoys a good name, it is one of the very large irregular pumpkin-shaped melons with a smooth silver-gray rind. The flesh is very deep orange-salmon and represents the most of the melon, as the seed space is very small with few seeds. A melon like this is frequently enough for a family of three or four. Pkt. 15c. (2 for 25c.), 30c. per ½ oz., oz. 60c., \$2.00 per ¼ lb.

Emerald Gem. Among the standard varieties, this has long been a leader. The flesh, which is thicker than any other melon of the same shape is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons when you eat once of you remember for a long while. Pkt. 5c. (10c. per large pkt.), oz. 15c., 50c. per ¼ lb., lb. \$1.50.

Extra Early Hackensack. A selection of the old Turk's Cap type, ripening fully a week earlier. It is well netted, deeply ribbed, making it ideal for cutting in slices on account of its large size. The flesh is light green, very thick and ripens well to the rind. The shape is even more flat than the Emerald Gem. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 per lb.

Jenny Lind. A small, flat, very early sort, heavily netted and ribbed with green flesh, an altogether good variety to plant with others, using this for the first picking. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 per lb.

Golden Jenny (Netted Gem). This resembles the Fordhook variety in shape and style, except that it is not quite so good. Despite that, however, this is exceedingly prolific. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 per lb.

FORCING MELONS

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

Blenheim Orange, Invincible-Scarlet, Windsor Castle.
 Each, per pkt., 25c.

Sutton's Ar. In original packets, 50c. per pkt.

MANGO MELON OR VINE ORANGE

The size, color and shape is like an orange; they are also called vegetable orange; excellent for preserving; vines produce frequently 25 to 30 fruits at one time. Pkt. 10c., 20c. per ounce, ¼ lb. 60c.

GRAND NEW WATERMELON, TOM WATSON

(See Cut)

A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities, the rind being tough it will resist plenty of abuse. Pkt. 10c., 15c.

oz., $\frac{1}{4}$ lb. 40c.,
\$1.50 per lb.

WATER MELON

**One Ounce will plant Thirty Hills,
Four Pounds for an Acre**

Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every three feet. A little land plaster dusted over the young plant will keep the beetle away. Water melons require planting after the soil has become thoroughly warm. Ask for Leaflet No. 116, which covers melon growing fully, mailed free if asked for.



See Description and Price of this Famous Melon above

Halbert Honey. An ideal family garden or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green while the flesh is a rich crimson. It tastes like a sugar stick, as it melts under the pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 90c. per lb.

Kleckley Sweets. A sweet one to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind sets too close to the ripe fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt. 5c. 10c. per oz., $\frac{1}{4}$ lb. 30c., 90c. per lb.

Black Boulder. A mammoth melon with very dark green, almost black rind; it is truly a boulder in a field and well deserves its name. The skin or rind is awfully resisting, covering a delicious mass of rich, red, crisp meat; a great producer and recommended for either home use or the market. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

Cuban Queen. Very similar in description to Dixie, except the melon is of mammoth size; it is very solid and good for shipping or home use. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. lb.

Mountain Sweet. Early and very large, oblong shape, rind dark green; flesh red, solid and sweet, a gigantic variety from whence its name is derived. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

Sweet Heart. Handsome oval shape, very large, green and mottled, solid, meaty and sweet, another one of the melons that appeals to one's palate by its inestimable sweetness. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

Florida Favorite. Large oblong fruit with striped skin; flesh is brilliant pink, of most delicious flavor; very solid and extremely juicy. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 80c. per lb.

Dark Icing. Large in size, very sweet and luscious; the outside color is a dark green; excellent keeper. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

Light Icing. Flesh bright red, outside color very light green, round in shape, similar to Dark Icing, except the color of the rind. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

PRESERVING CITRON OR MELON

A large-fruited variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

Red Seeded. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 80c. per lb.

MANGEL WURZEL (See Cattle Beet on page 23)

Price on all Vegetable Seeds includes postage except where noted



MUSHROOM SPAWN

Mushrooms are within the reach of any one who has a greenhouse or a cellar. A crop is produced with good spawn, a little care and patience in about 4 to 6 weeks, and continues in bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned

beds do not bear well. Ask for our Free Booklet on Mushroom Culture, which also describes, further, these different spawns.

BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain originating in the section of Pennsylvania that supplies the New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick	\$0.30	10 Bricks	\$2.30
" " postpaid .....	.40	25 "	5.60
5 bricks	1.25	50 "	10.50

LAMBERT'S AMERICAN PURE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen mushrooms and is propagated and transferred to the bricks of manure, which, when planted, produce mushrooms all of one type.

Standard No. 8 Cream White. For use from April to October.

Standard No. 9 Pure White. For use from October to April.

Prices of Pure Culture Spawn. Standard Bricks.

Per brick, about 1 3/4 lbs.	\$0.25	10 bricks	\$2.00
" " postpaid .....	.35	25 "	4.00
5 bricks	1.10	50 "	7.00

Direct No. 8 Cream White. For use from April to October.

Direct No. 9 Pure White Type. For use from October to April.

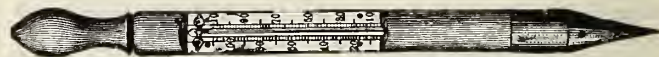
Prices of Pure Culture Spawn. Direct Bricks.

This strain is the earliest and produces a greater quantity than the "Standard."

Per brick	\$0.30	10 bricks	\$2.30
" " postpaid .....	.40	25 "	5.60
5 bricks	1.25	50 "	10.50

MICHELL'S SUPERIOR ENGLISH MUSHROOM SPAWN

15c. per brick (25c. postpaid); per doz., \$1.60; 25 lbs., \$2.50; \$8.00 per 100 lbs.



MUSHROOM OR HOT BED THERMOMETERS

Heavy Iron Point style..\$1.00 | Heavy Brass Point style..\$1.50
Thermometers should, wherever possible, be sent by express.

Books on Growing Mushrooms

Pamphlet (gratis for a postal card asking for it).

Robinson's Book (postpaid)

Falconer's Book (postpaid)

TESTIMONIAL

So. MANCHESTER, CONN.

HENRY F. MICHELL Co., Philadelphia.

Dear Sirs:—Enclosed please find a check due you, also an order for seeds. The *Mushroom Spawn* I got from you last fall is the best I ever had.

Yours truly,

PETER ZUGER.



Perkins' Improved Long Pod Okra

consequently matures sooner. The pods are exceedingly long and tender and of a dark green color. Pkt. 5c., 10c. per oz., 1/4 lb. 25c., 70c. per lb.

Dwarf Green, Improved. A very desirable sort, immensely productive, bearing very long pods well filled. It is somewhat later than the Perkins strain and the pods are not quite so great in diameter. Pkt. 5c., 10c. per oz., 1/4 lb. 20c., 60c. per lb.

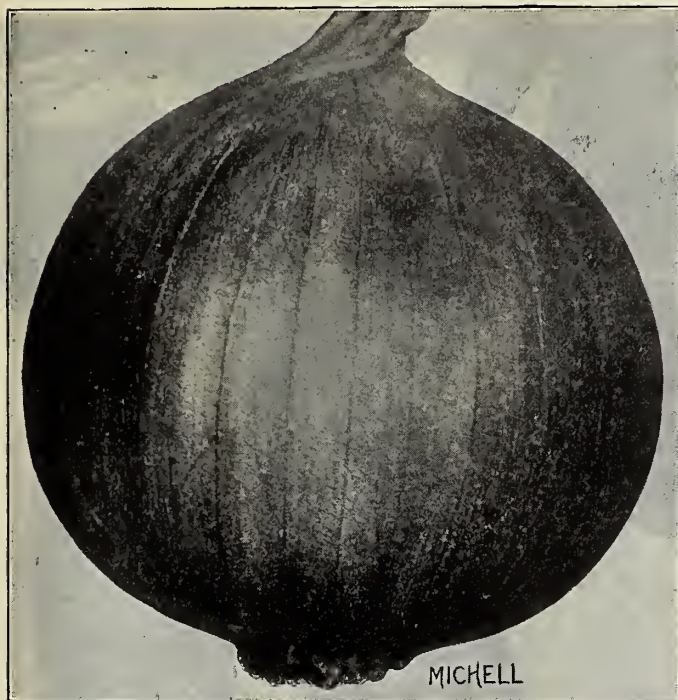
White Velvet or Creole. The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green almost white in color. Pkt. 5c., 10c. per oz., 1/4 lb. 20c., 60c. per lb.

MICHELL'S CULTURAL LEAFLETS

For the special benefit of the amateur (also the experienced gardener, if he wants them) we have prepared a series of instructions how to successfully grow some of the most important vegetables; they cover, in some instances, the proper cooking method and winter storage. **THESE LEAFLETS ARE FREE** and can be asked for at any time, whether accompanied by an order or otherwise. Ask for them by number, it saves time.

- No. of Leaflet
- 101 Artichoke.
 - 102 Asparagus.
 - 103 Garden Beans.
 - 104 Beets (Table and Cattle).
 - 105 Brussels Sprouts.
 - 106 Cabbage.
 - 107 Carrot.
 - 108 Cauliflower.
 - 109 Celery.
 - 110 Sugar Corn.
 - 111 Cucumber.
 - 112 Egg Plant.
 - 113 Herbs (Kitchen Garden).
 - 114 Kohl Rabi.
 - 115 Lettuce.
 - 116 Melons.

- No. of Leaflet
- 117 Mushrooms.
 - 118 Onions.
 - 119 Peanuts.
 - 120 Parsley and Parsnips.
 - 121 Garden Peas.
 - 122 Peppers.
 - 123 Potatoes.
 - 124 Pumpkin and Squash.
 - 125 Radish.
 - 126 Spinach.
 - 127 Sweet Potatoes.
 - 128 Swiss Chard.
 - 129 Tomatoes.
 - 130 Turnip and Ruta Baga.
 - 131 French Winter Salads.



Prizetaker Onion

Southport White Globe. A beautiful type of an almost round onion, growing to enormous size. Pkt. 5c. and 10c., 15c. per ½ oz., oz. 30c., 80c. per ¼ lb., lb. \$3.00.

Southport Red Globe. The description of this is the same as of Southport Yellow Globe except color. Pkt. 5c. (10c. per large pkt.), oz. 15c., 50c. per ¼ lb., lb. \$1.75.

White Barletta. Extra early small round variety used principally for pickling. Pkt. 5c. (10c. per large pkt.), 15c. per ½ oz., oz. 25c., 70c. per ¼ lb., lb. \$2.50.

Bermuda White. An early variety producing an immense globe-shaped bulb, producing (if when transplanted about 4 inches apart) gigantic onions the first season. Pkt. 10c., 15c. per ½ oz., 1 oz. 25c., 75c. per ¼ lb., 1 lb. \$2.75.

Bermuda Red. Similar in every way except color to the foregoing variety. Pkt. 10c., 15c. per ½ oz., 1 oz. 25c., 75c. per ¼ lb., 1 lb. \$2.75.

ONION

For full size onions, one ounce seed will sow a 100 ft. row; 5 to 6 pounds per acre. If it is desired to grow onion sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when three inches high, so that they stand about two or three inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping. Cultural Leaflet No. 118 gives excellent instructions in regard to onion growing. Ask for a free copy.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at the top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplanted where it is to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. 10c. per pkt., ½ oz. 20c., 35c. oz., ¼ lb. \$1.00, lb. \$3.50.

Prizetaker. This mammoth yellow variety if sown thinly produces full size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. and more. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per ¼ lb., \$2.00 per lb.

Danver's Yellow Globe. This almost round in shape onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to large size. Pkt. 5c. (10c. per large pkt.), oz. 15c., 50c. per ¼ lb., lb. \$1.75.

Southport Yellow Globe. Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt. 5c. (10c. per large pkt.), oz. 15c., 50c. per ¼ lb., lb. \$1.60.

Yellow Strasburg (or Dutch). A dark straw color skinned sort, almost flat in shape but a large onion. Its fine keeping qualities is what recommends itself to the home as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets more of this variety is sold than any other; one of the best winter keepers. Pkt. 5c. (10c. per large pkt.), oz. 15c., 50c. per ¼ lb. lb. \$1.60.

Large Red Wethersfield. A flat large growing variety. This class are excellent winter keepers, being flavored much like the yellow sorts; full size onions can be grown from the seed in one season. Pkt. 5c. (large pkt. 10c.), oz. 20c., ¼ lb. 60c., lb. \$2.00.

White or Silver Skin. The standard white onion for market or home use, it is of very mild flavor, semi-globe shaped and is very uniform in growth and size. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., 25c. per oz., ¼ lb. 70c., \$2.50 per lb.

ONION CULTURE, a good book by a Practical Grower, 20c. per copy

ONION SETS One quart will plant a row about 50 feet.

Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb in the ground lightly and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready in 5 weeks from time of planting, while those grown from seed cannot be used until well in the autumn.

Shipped on Local Orders about March 10, unless otherwise requested

If wanted by mail add 5c. per pint and 10c. per quart for postage.

	Pint	Quart	Quarts	Peck	Measured Bush.
Yellow	\$0.10	\$0.20	\$0.70	\$1.25	\$4.25
White	.13	.25	.90	1.50	5.75
Red	.10	.20	.70	1.25	4.25
White Multiplier	.15	.25	.75	1.25	4.50
Potato Onion	.15	.25	.75	1.25	4.00
Shallots	.15	.30	1.10	2.00	6.00

Tree or Top. Can be supplied in Sept. and Oct.

Garlic Sets. Per lb. 30c. (38c. by mail postpaid), 10 lbs. for \$2.50.

PRICES on ONION SETS are SUBJECT TO CHANGE



Choice Home Grown Onion Sets

See page 6 for Schedule of Prizes, Michell's Vegetable Exhibit, Autumn 1913



GARDEN PEAS

1 qt. will plant 100 ft. of row, one and a half to two bushels per acre

SPECIAL NOTE.—Due to the bad growing conditions of the past season, the crop is again extremely short, which makes it impossible for low pea prices on selected stocks.

If wanted by mail add 8c. per pt., 15c. per qt. for postage.

Large Pkts. of all varieties 10c. Postpaid

The smooth seeded varieties can be sown as soon as the ground is open; the wrinkled sorts when the ground has become warmer. The distance for planting apart depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and again August 15th. For the last planting, 60 days before frost, use the dwarf early varieties. Cultural Leaflet No. 121 covers the growing of peas thoroughly, it is free.

EXTRA EARLY VARIETIES

Alaska. Smooth seeded, very early, height 2½ feet. 25c. per pt., 40c. per qt., 4 qts. \$1.50, \$2.75 per peck.

Ameer. A very large podded early pea, following the Alaska. It is a heavy cropper. Pt. 25c., 45c. qt., 4 qts. \$1.60, \$3.00 per pk.

American Wonder. The earliest wrinkled dwarf variety, exceedingly sweet, height 10 to 12 inches. 25c. per pt., per qt. 50c., \$1.75 per 4 qts., peck \$3.25.

Bountiful. A bluish round pea of large size. The pods are very large and well filled; it is very early, a good cropper, suited to the first and last planting, grows 3 to 4 feet high. Pt. 30c., 50c. qt., 4 qts. \$1.90, \$3.50 per peck.

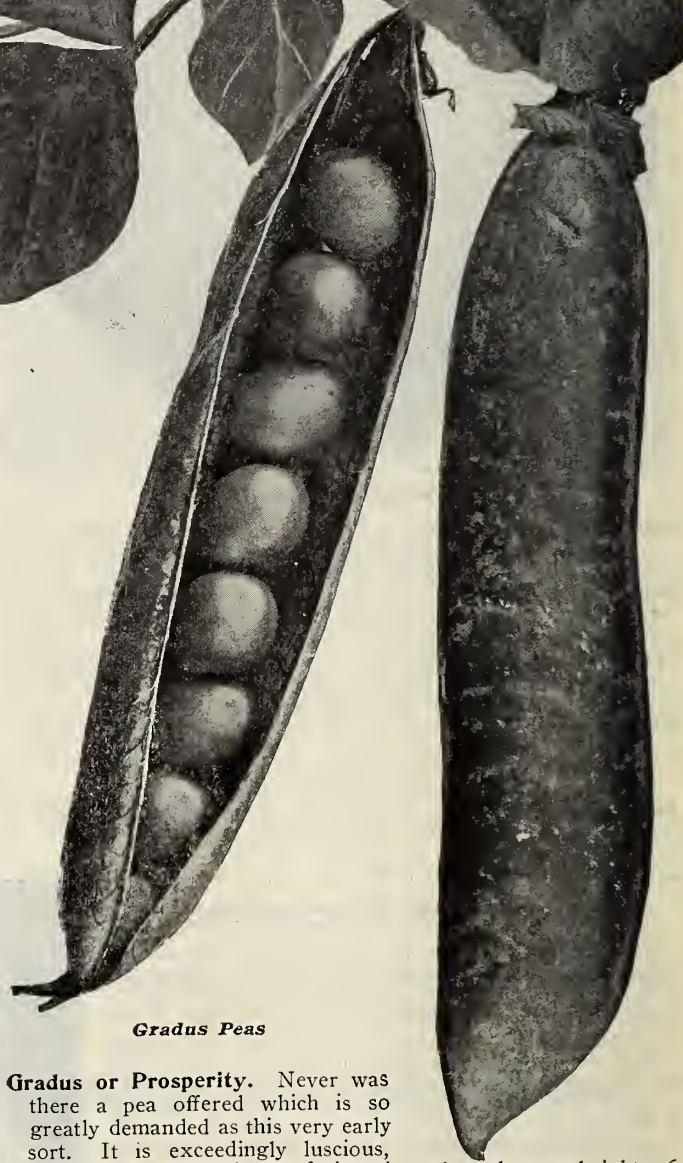
Dandy Extra Early. These are a selection of the Eureka, but will be found far superior; smooth seeded, very prolific and desirable for the kitchen garden, height 24 inches. Per pt. 25c., 50c. per qt., per 4 qts. \$1.75, per peck \$3.00.

Early June. A green seeded smooth pea, desirable for first planting, an improvement on Alaska; height, 2½ feet. 25c. per pt., per qt. 40c., \$1.50 for 4 qts., peck \$2.75.

Early Morn. One of the earliest of wrinkled peas, earlier and better, it is claimed, than Gradus or Thos. Laxton. The pods are large and well filled, mature in 60 days and is very prolific. Pt. 30c., 60c. per qt., 4 qts. \$2.00, \$3.75 per pk.

Eureka. A great producer and extremely early, smooth seeded; height, 24 inches. 25c. per pt., qt. 45c., \$1.50 per 4 qts., per peck \$2.75.

Premium Gem (or McLean's Little Gem). Similar to American Wonder, but a heavier producer, wrinkled seed; height, 18 inches. 25c. per pt., per qt. 45c., 4 qts. \$1.75, \$3.25 per peck.



Gradus Peas

Gradus or Prosperity. Never was there a pea offered which is so greatly demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. 35c. per pt., qt. 65c., 4 qts. \$2.50, per pk. \$4.50.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pt. 25c., 50c. qt., 4 qts. \$1.75, \$3.25 peck.

Michell's Special Ex. Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender, a grand yielder; height, 24 inches. 30c. per pt., 55c. per qt., 4 qts. \$2.00, \$3.75 per peck.

Nott's Excelsior (Improved Strain). A splendid early wrinkled pea, producing heavy crops of full pods very early. One of the leading varieties for the home or market garden. Height, 15 inches. 30c. per pt., qt. 55c., 4 qts. \$2.00, \$3.50 per peck.

Nott's Excelsior (Usual Strain). Pt. 25c., 50c. per qt. per 4 qts. \$1.75, peck \$3.25.

Use "Farmogerm" on your Garden Peas see Page 15



GARDEN PEAS—Continued

Large Pkts. all Varieties 10c. Postpaid

If wanted by mail add 8c. per pt., 15c. per qt. for Postage

EXTRA EARLY VARIETIES—Continued

- Saxonia.** One of the earliest peas, producing pods $3\frac{1}{2}$ inches long. The vines grow about 2 feet high and are very vigorous. It is a white seeded variety with a round pod. 35c. pt., qt. 60c., \$2.25 for 4 qts., peck \$4.00.
- Sutton's Excelsior.** This wrinkled variety is quite hardy and can be planted very early. It is dwarf, growing about 16 inches and makes a long broad pod, well filled; it follows the extra early sorts and is a great producer. Pt. 30c., 55c. qt., 4 qts. \$2.00, \$3.75 per peck.
- Thos. Laxton.** On a par with Gradus in quality, heavy producer, wrinkled, exceedingly early; height, 36 inches. 30c. per pt., qt. 55c., \$2.00 for 4 qts., pk. \$3.75.

SECOND EARLY VARIETIES

- Alderman.** A very large pod filled with luscious peas; plants grow 3 feet high and are very prolific. Per pt. 25c., 50c. per qt., 4 qts. \$1.75, pk. \$3.25.
- Bliss Abundance.** Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height, 20 inches. Per pt. 20c., 40c. per qt., per 4 qts. \$1.50, \$2.75 per peck.
- Daisy or Dwarf Telephone.** One of the best medium early sorts, bearing heavy pods in the greatest abundance; wrinkled and very sweet; height, 18 inches. Per pt. 25c., 45c. per qt., \$1.75 for 4 qts., pk. \$3.25.
- Heroine.** A fine wrinkled variety, claimed to be one of the finest peas in existence; height, 2 feet; a great cropper. Per pt. 20c., 40c. per qt., 4 qts. \$1.50, peck \$2.80.
- Long Island Mammoth.** Largely in use among private and market gardeners; it yields handsome large peas, very tender; height, $3\frac{1}{2}$ feet. Per pt. 20c., 40c. per qt., 4 qts. \$1.50, pk. \$2.75.
- Pride of the Market.** An excellent dwarf variety for early summer use; pods containing as many as nine peas. Per pt. 25c., 50c. per qt., 4 qts. \$1.75, peck \$3.25.

GENERAL OR LATER CROP VARIETIES

- Black Eye Marrowfat.** Excellent where a large crop is desired. It is one of those mealy sorts usually cooked with smoked or salt meats; height, 4 feet. 15c. per pt., 25c. per qt., 90c. per 4 qts., peck \$1.60, \$6.40 per bu.
- Champion of England.** A very tall rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Per pt. 25c., 45c. per qt., \$1.60 for 4 qts., pk. \$3.00.
- Dwarf Champion.** Possesses most all the good qualities of the famous Champion of England, and having the further advantage of being dwarf; a very delicious pea which should be planted largely; height, 2 feet. Per pt. 25c., 45c. per qt., \$1.75 for 4 qts., pk. \$3.25.
- Fillbasket.** Market gardeners and those desiring a large crop should plant this pea; quality very good; height, 30 inches. Per pt. 20c., 40c. per qt., 4 qts. \$1.50, pk. \$2.80.
- Stratagem (Improved).** Immense pods containing an abundance of good, large tender peas; seed wrinkled; height, 20 inches. Per pt. 25c., 50c. per qt., 4 qts. \$1.90, \$3.50 per peck.
- Telephone (Tall).** The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, $3\frac{1}{2}$ feet. Per pt. 25c., 50c. per qt., 4 qts. \$1.90, \$3.50 per peck.
- White Marrowfat.** Another mealy variety used for cooking with meats; height, 3 feet. 15c. per pt., 25c. per qt., 90c. for 4 qts., pk. \$1.60, \$6.40 per bu.



Michell's Tall Telephone Peas

SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. The latter are cooked with the peas intact. They are very tender and exceedingly sweet.

Dwarf Sugar. Gray seed; height, 2 feet. 20c. pt., 40c. per qt., \$1.50 for 4 qts., peck \$2.75.

Melting Sugar. White seed; height, 4 feet. 30c. pt., qt. 50c., \$1.80 per 4 qts., peck \$3.75.

PEA TRELLIS—See page 177 for illustration

The ideal support for garden peas, neater, more economical than brush; can be rolled up when through with and stored, taking very little space. Made of strong galvanized netting and substantial uprights, neatly painted and finished; indestructible and will last for years. Ten ft. sections, 48 inches high, \$1.00 per section; 10 sections for \$8.50.

Farmogerm for Garden Peas. Means bigger crops, healthier vines, early and more continuous crops. Per trial bottle 50c., \$2.00 per acre bottle. It will pay you to use this when you plant peas. (See page 15.)

MAINE GROWN SEED POTATOES

Plant 12 to 14 bushels per acre

This stock is grown for us on contract in the best potato producing section. The fields are well fertilized and sprayed, assuring customers, who plant this stock, that it will yield large returns.

TIME OF SHIPMENT.—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship them at customers risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 30c. each for barrels.

Prices of larger quantities of White Potatoes than quoted below on application; for the reason that the value of potatoes fluctuates constantly. Customers, however, entrusting us with their orders, will be assured that they will be charged the lowest possible price for strictly Northern grown seed.

EARLY SORTS

Beats Them All (Michell's). This famous variety was sent out by us, and has given the best results wherever tried, yielding more than any other early potato, quality fine, extremely early, coming in about one week or ten days earlier than Early Rose. ½ pk. 40c., 75c. per pk.

Beauty of Hebron. Somewhat earlier than Early Rose, otherwise very similar, good yielder. ½ pk. 30c., 50c. per pk.

Bliss Triumph or Red Bliss. A very early thin-skinned variety, they are frequently offered as southern or Bermuda grown potatoes. ½ pk. 30c., 50c. per pk.

Bovee. Earlier than Early Rose; good form and quite a yielder; quality excellent; pink flesh; cooks white; dwarf in growth. ½ pk. 30c., 50c. per pk.

Burbank. A medium early white variety, has very few eyes, a large yielder, shape long. ½ pk. 30c., 50c. per pk.

Clark's No. 1. A rose-colored variety resembling the Early Rose in shape, it is an excellent one for early market. ½ pk. 30c., 50c. per pk.

Early Fortune. A long potato and a good one, on a par with Early Rose. 30c. per ½ pk., pk. 50c.

Early Norther. Extra early, very prolific, and very mealy, shape long. ½ pk. 30c., 50c. per pk.

Early Ohio. A seedling of the Early Rose, ripens about a week earlier; excellent quality. ½ pk. 30c., 50c. per pk.

Early Rose (Houlton or Maine). A leading variety for earliness, quality and productiveness. ½ pk. 30c., 50c. per pk.

Early Standard. Extremely early, good keeper, uniform in size, producing principally large potatoes. Pure white cooker. ½ pk. 35c., 60c. per pk.

Irish Cobbler. A splendid sort, almost entirely round in shape; good quality; heavy producer. ½ pk. 30c., 50c. per pk.

Noroton Beauty. The earliest and most productive potato grown, and of superb table qualities. It is the best all-round potato in existence; red skin. ½ pk. 40c., 65c. per pk.

New Queen. A very early long type resembling Beauty of Hebron but earlier in maturing. 30c. per ½ pk., pk. 50c.

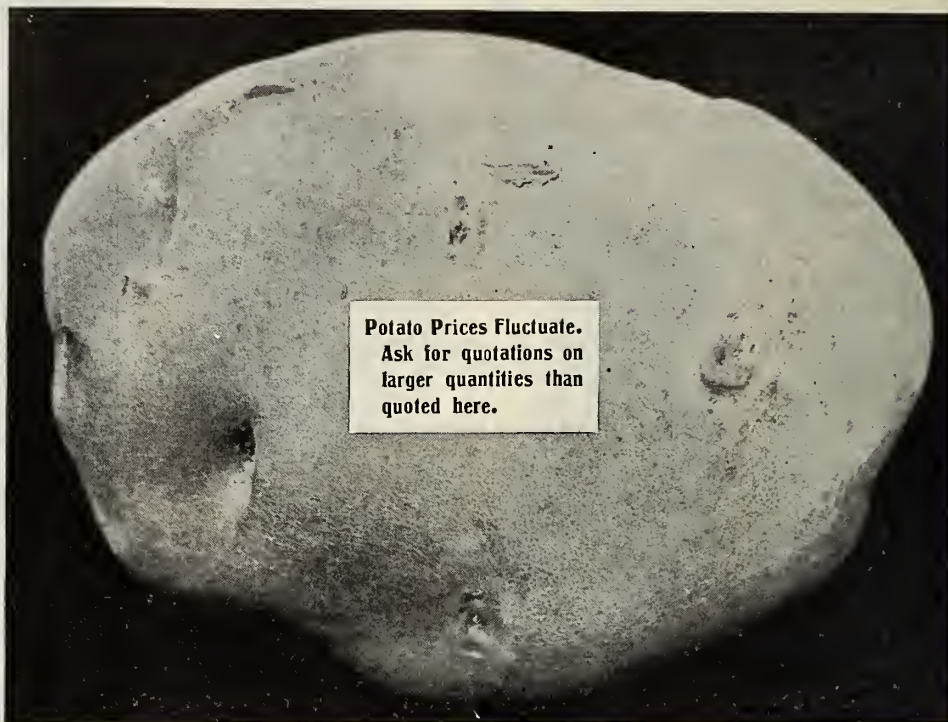
Pride of the South or White Bliss. White flesh and skin. ½ pk. 30c., 50c. per pk.

LATE OR GENERAL CROP VARIETIES

Carman No. 3. A handsome yielder; produces potatoes of the most excellent quality. ½ pk. 30c., 50c. per pk.

Empire State. Tremendously productive; shape long; very large. ½ pk. 30c., 50c. per pk.

Green Mountain. An excellent general crop variety. ½ pk. 30c., 50c. per pk.



Potato Prices Fluctuate.
Ask for quotations on
larger quantities than
quoted here.

State of Maine Seed Potato

LATE OR GENERAL CROP VARIETIES—Continued

Mammoth Pearl. The largest potato grown, never rots, very mealy. ½ pk. 30c., 50c. per pk.

Rural New Yorker No. 2. A very smooth-skinned sort, valuable as a cropper, for which it cannot be equalled. ½ pk. 30c., 50c. per pk.

Sir Walter Raleigh. A white-skinned main crop potato, resembling Rural New Yorker. One of the best of the late sorts. ½ pk. 30c., 50c. per pk.

State of Maine. An old favorite, grown by every gardener; good keeper. ½ pk. 30c., 50c. per pk.

White Star. As a kitchen garden variety, or sort for commercial use, there are few as good; excellent for baking; long in shape. ½ pk. 30c., 50c. per pk.

We can also supply all other varieties of Seed Potatoes.

POTATO SCAB DESTROYER

A pint of solution which dilutes in water is sufficient for treating 20 bu. of potatoes, which should be laid therein for 2 hours before cutting. Pt. 50c.

PLANTS OF SWEET POTATOES (Ready in May)

Yellow Bush (Vineless). 60c. per 100, 250 for \$1.25, 1000 \$4.00.

Yellow and Red Nansemond. 40c. per 100, 1000 \$2.50 (5000 lots \$10.00).

SELECTED SEED SWEET POTATOES

Yellow Nansemond. Qt. 20c., ½ peck 60c., peck \$1.10, ¾ bu. basket \$1.75.

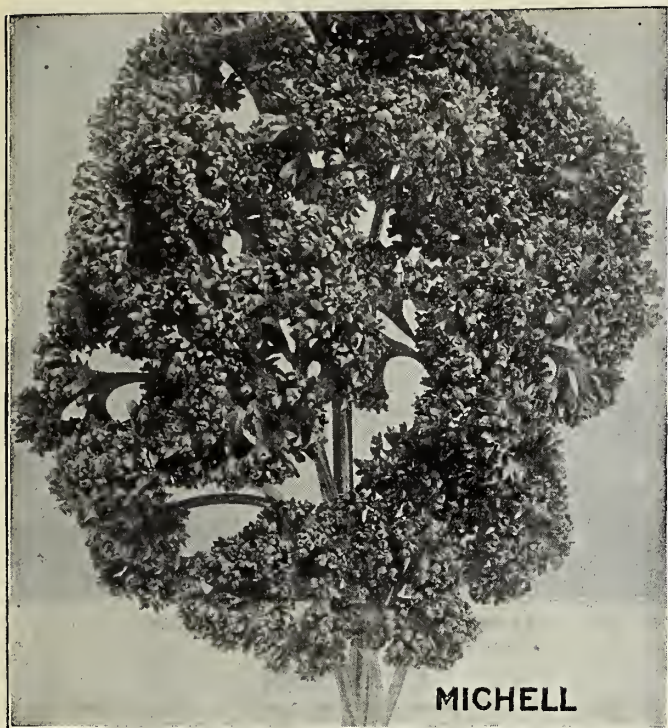
Red Nansemond. Qt. 20c., ½ peck 60c., peck \$1.10, ¾ bu. basket \$1.75.



Owing to the perishable nature of Sweet Potatoes, all shipments of these are made at purchaser's risk, and can be sent by express only.

CONCAVE POTATO KNIVES

For cutting out the eyes of seed potatoes prior to planting. Made of best steel with concave blade. 25c.; 3 for 70c., postpaid.



MICHELL

Double Curled Covent Garden Parsley

PARSLEY PLANTS (Ready in April)

Large specimens, pot-grown, ready for use. 50c. per doz., per 100 \$4.00. These plants cannot be mailed satisfactorily.



MICHELL

Chinese Giant Pepper

PEPPER PLANTS (Ready in May)

Pot Grown Plants. 50c. per doz., per 100 \$4.00.
Hotbed Grown. 20c. per doz., per 100 \$1.25.

PARSLEY One ounce will sow a row 100 ft. long

After soaking the seed for a few hours in warm water, it may be sown in rows 18 inches apart and when 2 inches high thin out to stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is a necessary requisite. Cultural directions are fully covered in Leaflet No. 120, ask for a copy.

Champion Moss Curled. Beautifully crimped and curled. It can be cut the year round. Pkt. 5c. (large pkt. 10c.), oz. 20c., ¼ lb. 50c., \$1.75 per lb.

Double Curled or Covent Garden. A great improvement over all other varieties; a nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 50c., \$1.75 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt. 5c. (10c. per large pkt.), oz. 20c., ¼ lb. 50c., \$1.75 per lb.

TESTIMONIAL

Bozeman, Montana.
Thanks for promptly filling my order. We've
always been pleased with your seeds.
TRACY FLORAL CO.

PEPPER One ounce of seed produces 1200 plants

Sow the seed in a hotbed or window box about March 1st, transplant to the open when all danger from frost is over. Set plants in rows 3 feet apart, 15 inches in the row. For complete cultural directions send for Leaflet No. 122, mailed free or included with orders.

New Apple Pepper. A variety of novel appearance, having the form of an apple standing upright on the plant; first green it afterwards turns a brilliant red, very mild in flavor. For prolificness nothing can surpass it, beginning very early it continues to bear until killed by frost; about 3 inches in diameter. Choice seed grown at our Evergreen Seed Gardens (limited supply). 10c. pkt., 3 pkts. 25c.

Chinese Giant. This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine for stuffed mangoes. Pkt. 10c., 30c. ½ oz., oz. 50c., \$1.50 per ¼ lb.

Sweet Bell or Bull Nose. The standard pepper for either market or home consumption. Very thick flesh, perfectly mild, and a great producer. The large fruits are green, but later turn a vivid scarlet; fine for slicing on tomatoes or stuffed as mangoes. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., oz. 30c., \$1.00 per ¼ lb.

Neapolitan. This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. Pkt. 10c., ½ oz. 20c., oz. 35c., \$1.00 per ¼ lb.

Large Sweet Spanish. A variety rivaling with Chinese Giant, is, however, not as large. Color and shape very similar, also late in maturing; for mangoes or pepper hash this is an ideal sort. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

Hot Bull Nose. This variety is identical with the Sweet sort bearing the same name, except it is used where a stronger flavor is wanted and cannot be served as a mango. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., 30c. per oz., ¼ lb. \$1.00.

MISCELLANEOUS PEPPERS

Cayenne. A long red variety, very hot and used principally for bunching with pot herbs. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., oz. 25c., 80c. ¼ lb.

Celestial. A Chinese variety bearing roundish upright pods of various colors on one bush, this makes a decorative plant for the garden. Pkt. 5c., ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

Ruby Giant (New). Very large; adapted for stuffing; mild flavor. Pkt. 10c., 25c. ½ oz., oz. 40c., \$1.25 per ¼ lb.

Golden Dawn. A large yellow variety, shaped like the Chinese Giant, very sweet. Pkt. 5c., ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

Red Cherry. A small upright growing sort; very hot in flavor. Pkt. 5c., ½ oz. 15c., oz. 25c., 85c. per ¼ lb.

Ruby King. A large red variety resembling Bull Nose. Pkt. 5c., ½ oz. 15c., oz. 30c., 90c. per ¼ lb.

Small Chili. Used principally for seasoning and making sauce; the small very narrow red pods are very hot; in a dried state they are an excellent tonic for the parrot. Pkt. 5c., ½ oz. 15c., oz. 25c., 85c. per ¼ lb.

PARSNIP

One ounce will sow a row 150 feet long; 5 lbs. per acre.

Sow early in the spring in drills about 24 inches apart, covering the seed slightly, when the plants are 2 or 3 inches high, then thin out so the roots will develop; cultivate well during the growing season. The roots are especially good when slightly frosted; they may be left in the ground all winter or taken up and stored in the cellar. There are several ways of preparing them for the table, the best one probably being browning or roasting them in the oven with a choice roast of meat; cooked in this manner they excel the finest sweet potato. Send for Cultural Leaflet No. 120 on growing and storing parsnips.

Improved Sugar or Hollow Crown. A very thick broad-topped root, which makes it easily lifted. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white, it yields enormous crops growing to a large size. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. lb.

Gurnsey or Student. Slightly shorter than the Hollow Crown variety with a somewhat broader top or shoulder; it can also be sown a trifle later if necessary. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. lb.

**PEANUTS**

One bushel nuts unshelled will plant an acre, but shell must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake, most any well drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen. A few important points are necessary in growing them and these are elaborated on in special Culture Leaflet No. 119, which may be had free for the asking.

Selected Virginia, 15c. pint (by mail 20c.), 25c. qt. (by mail 35c.), 50c. for 4 qts., peck 75c.

POT MARIGOLD HERB (Annual)

Used extensively for medicinal purposes of various kinds. See Cultural Leaflet No. 113 covering herbs. Pkt. 5c., 10c. per ½ oz., oz. 15c.

ILOILO (PANAY), PHILLIPINE ISLANDS.

Send me at once the enclosed order. Your seeds beat anything I've ever had in that line.

CAPT. JESSE M. BAKER,
Quarter-Master, U. S. A.

**SANTA LUCIA, HONDURAS,
CENTRAL AMERICA.**

Please send me this order at once, despite being over 5,000 feet above sea level here, your seeds have always been satisfactory.

H. A. OWEN.



Pumpkin—Large Tours or Mammoth

PUMPKIN

One ounce will plant 25 hills; 4 to 6 lbs. for an acre.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working. Cultural Leaflet No. 124 covers pumpkin growing, and is free.

Large Tours or Mammoth. The biggest pumpkin in cultivation, producing fruits that often weigh 200 lbs. When fully ripened it is of a golden orange color, free from stringiness and ideal for pie-making or cooking. Pkt. 5c. (10c. per large pkt.), oz. 15c., 30c. per ¼ lb., lb. \$1.00.

Tennessee Sweet Potato. An oblong-shaped, medium-sized fruit with a very light buff yellow skin, for pies it is delicious, while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt. 5c., 10c. oz., ¼ lb. 25c., 85c. per lb.

Large Cheese. A very large, flat, ribbed fruit, of a beautiful buff yellow color; the interior is of fine quality. An enormous producer, ideal for market or home gardens and canning purposes. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 85c. lb.

Japanese Pie. A crook-necked variety, deep green striped darker, which turns to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed which are curiously marked like Chinese letters of the alphabet. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 lb.

Winter Luxury. Known as the New England pie pumpkin. No Thanksgiving dinner there is complete without the palatable pumpkin pie, made from this variety. This is also used for making Jack-O-Lanterns, for which purpose it is well suited on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh golden orange when ripe. Pkt. 5c. (10c. per large pkt.), oz. 15c., 30c. per ¼ lb., lb. \$1.00.

Cashaw or Golden Crook Neck. A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 per lb.

Connecticut or Common Field. Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. 5c. per oz., ¼ lb. 15c., 40c. per lb., 5 lbs. \$1.25.

Rettig (Ger.)

RADISH

Radis (Fr.)

One ounce of seed will sow a row about 75 feet long;
8 to 10 pounds are required for an acre

Radishes should be sown in good rich ground, where they can make rapid growth, for then only do they produce the best results. There are many varieties now from which a selection can be made for sowing at almost any season of the year, with proper facilities. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in cool cellars and covered with sand.

EARLY SORTS

Brightest Scarlet, Half Long. Entirely distinct, being a vivid scarlet color, tipped with white. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 60c. per lb.

Cardinal or Scarlet Globe. The very best forcing variety, is of globular shape and brilliant cardinal red color. Pkt. 5c., 15c. per oz., $\frac{1}{4}$ lb. 35c., \$1.25 per lb.

Cardinal Globe (Improved Strain). This popular radish will be welcomed readily in an improved form, the color and shape are perfect. Pkt. 5c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Crimson Giant. Turnip shaped, very large and tender. Pkt. 5c., 15c. per oz., $\frac{1}{4}$ lb. 35c., \$1.00 per lb.

Early French Breakfast. Oblong shape, rapid grower, very mild and tender, of a beautiful scarlet color, tipped with white. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

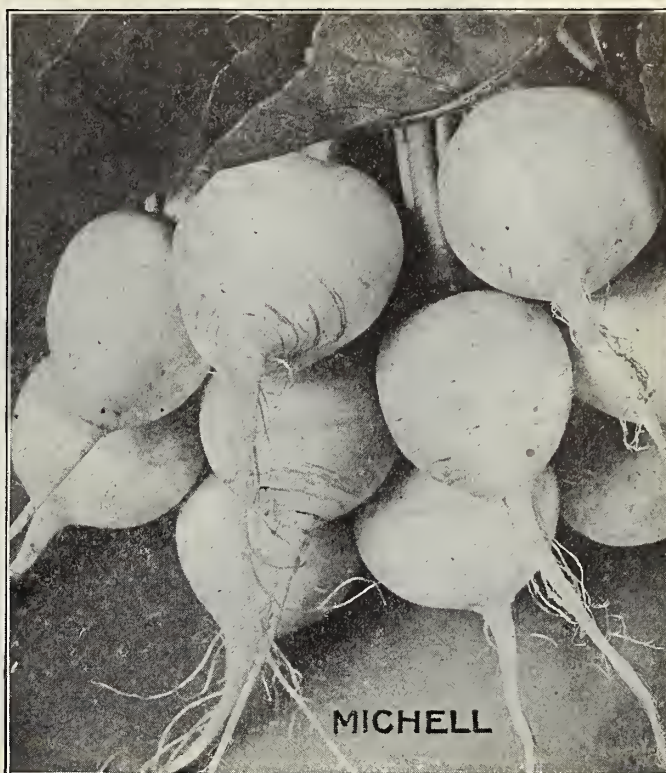
Fireball. Turnip shaped; brilliant scarlet color, crisp, tender, of mild flavor; useful only as a forcing variety or for early spring use. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

Icicle. A magnificent white variety of fine taste, grows $3\frac{1}{2}$ to 4 in. long in 22 days. Also suitable for summer. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

Icicle (Improved Strain). A selection of seed made from perfect roots, thus ensuring utmost uniformity. Pkt. 5c., 15c. oz., $\frac{1}{4}$ lb. 40c., \$1.25 per lb.

Long Scarlet Short Top or Salmon. The standard variety; long bright scarlet with small top. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

Round Red Forcing or Button. Very quick in maturing. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.



Felton's Stock White Box Radish

EARLY SORTS—Continued

Round White Forcing or Turnip. An excellent small solid variety. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

White Box, Felton's. (Private stock) A selection of the old reliable White Box radish, more perfect form, producing shorter tops, and does not have a tendency to grow long in shape. Pkt. 5c., 15c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

White Box, Philadelphia Grown. Perfectly round, smooth skin, pure white. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

SUMMER SORTS

Beckert's Chartier (Long). Color bright salmon scarlet, shading to white as it approaches maturity; it is very crisp, tender, and of mild and pleasant flavor. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 75c. per lb.

Golden Olive Shaped Yellow. An improvement on the old Yellow Globe sort. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 65c. per lb.

Large White Summer Turnip. Large, turnip-shaped, white, crisp and mild. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 60c. per lb.

Long White Lady Finger. A fine white, crisp and mild variety. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

White Strasburg. Oblong of a pure white color, and mild flavor. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 70c. per lb.

WINTER VARIETIES

California White Winter. Grows 8 to 10 inches long. One of the best for winter. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

Celestial or White Chinese. Large size. Pure white, excellent keeper. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Half Long Black. A great improvement on the old Long Spanish Radish. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Long Black Spanish. A favorite among winter sorts. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

Round Black Spanish. Like the above, except in form. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

China Rose. Bright rose color, flesh firm. One of the best for winter use. Half-long in shape with a scarlet blunt tip. Winter radishes should be cultivated more extensively than what they are. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 70c. per lb.



MicHELL's Private Stock Cardinal Globe Radish



The method of placing a barrel without a bottom over a Rhubarb clump has a tendency to draw up the length of the stalks, thus increasing the yield.

RHUBARB

This can be grown from seed as well as roots. Seed should be sown outdoors in April in rows 3 ft. apart, the following spring they should be transplanted into permanent beds, the roots placed 3 feet apart each way; the year following that, or two years after sowing the seed, it may be used. Roots may be planted in October or in the spring up to May 15th.

Victoria. Immense long stalks of a cherry red color, which cook splendidly, have no strings or coarse matter, this makes it a most popular variety. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per $\frac{1}{4}$ lb., lb. \$1.25.

VICTORIA RHUBARB ROOTS

(Ready from October to May 15th.)

Large Clumps, 10c. each (by mail 15c.), \$1.00 per doz., per 100 \$6.00.

Extra Large Clumps for Forcing, 25c. each (not mailable), \$2.50 per doz., 25 for \$4.25, \$15.00 per 100.

ROSEMARY HERB (Perennial)

This makes an attractive border plant, also used extensively for various medicinal purposes. 5c. per pkt., per $\frac{1}{2}$ oz. 15c., 30c. per oz.

RUTA-BAGA (See also Turnips)

Private Stock. Purple top; yellow. Pkt. 5c., per oz. 15c., 35c. per $\frac{1}{4}$ lb., per lb. \$1.25.

Improved. Purple top; yellow. Pkt. 5c., 10c. per oz., per $\frac{1}{4}$ lb. 25c., 75c. per lb.

SAFFRON HERB (Annual)

Used principally in making medicines and for coloring matter. 5c. per pkt., per oz. 10c.

SAGE HERB (Perennial)

Mammoth leaved variety, used in gravies, stews and also for medicinal purposes. 5c. per pkt., per $\frac{1}{2}$ oz. 10c., 15c. per oz.

SAGE PLANTS

Holt's Mammoth. Large roots. 10c. each, per doz. \$1.00, \$6.00 per 100.

SHALLOTS (See also Onions, page 39)

A variety of French onion for flavoring. 15c. pl., qt. 30c., 4 qts. \$1.10, \$2.00 per peck.

HICKOX, GA.

Seeds arrived O. K. Thanks for your courteous handling of my order. A prospective customer I had in mind for you; bought elsewhere, his seeds arrived at the time yours did, so we are off in a race for supremacy. Michell's seeds are already, at the start, far in the lead.

H. J. McGEE.

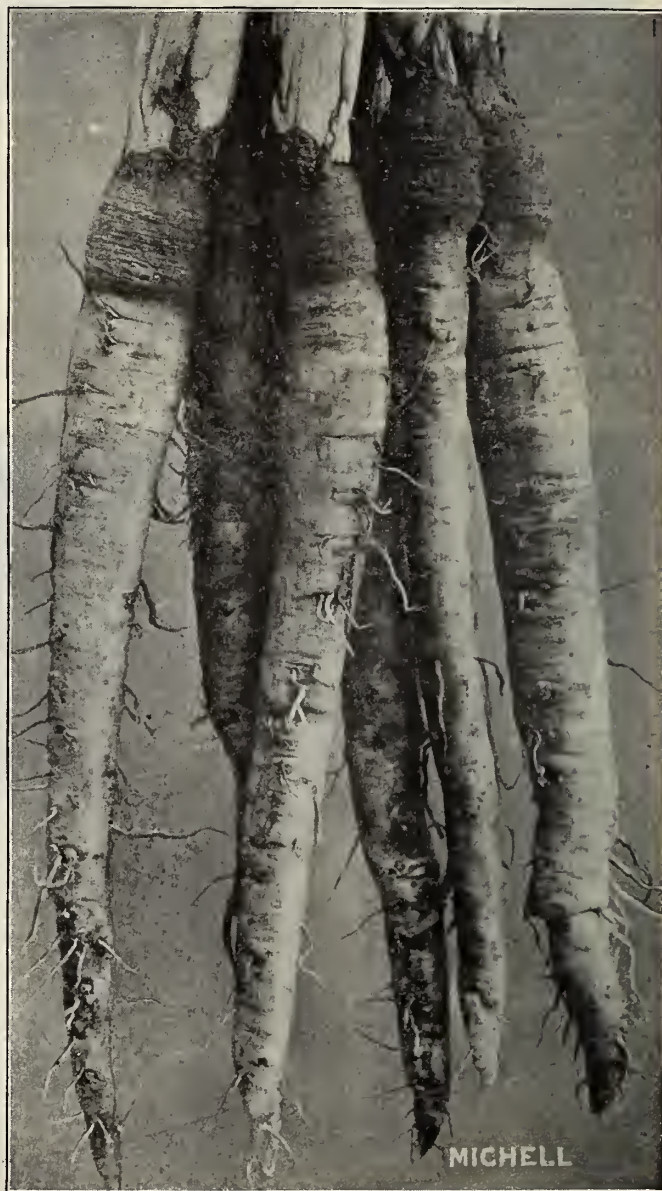
SALSIFY (OYSTER PLANT)

One ounce of seed will sow about 50 feet of drill. 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep, when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow, in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing, while if sliced or made into cakes and fried like parsnip, they taste like a delicious oyster.

Mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white; pure white, very tender and delicious. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Long White. The favorite market variety, somewhat thinner than the Sandwich variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.



Mammoth Sandwich Island Salsify (See prices above)

All prices on seeds include postage, unless otherwise noted

SQUASH

One ounce will sow
20 to 50 hills 3 to 4 lbs.
for an acre

This vegetable is a popular one for summer and winter use, it being susceptible to cold it should not be planted until the ground is thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that it may develop properly. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill. Some varieties, as will be noted below, are ideal for pie-making, more delicious than some of the pumpkins. Cultural Leaflet No. 124 covers squash growing fully. It is free.



SUMMER VARIETIES

Golden Custard. A flat scalloped type, like the White Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 85c. lb.

Mammoth White Bush. Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 85c. lb.

Yellow Summer Crook Neck. Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred by the cook on account of its very dry meat when boiled. This is a variety with a running vine. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. lb.

FALL AND WINTER VARIETIES (Running Sorts)

Delicious. Well named as it has the finest flavor of any squash, of oblong shape with a deep green skin and thin rind, with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter. Pkt. 5c., (10c. per large pkt.), oz. 15c., 35c. per $\frac{1}{4}$ lb., lb. \$1.00.

Golden Hubbard. Used extensively for pie, but served as a vegetable; it is very dry and delicious. The outside is a deep orange red, while the flesh is very tender. Pkt. 5c. (10c. per large pkt.), oz. 15c., 35c. per $\frac{1}{4}$ lb., lb. \$1.00.

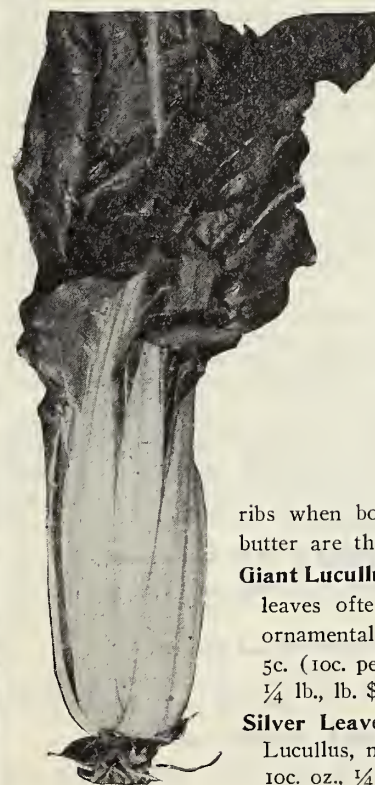
Boston Marrow. Shaped similar to Hubbard, golden orange; fine for canning for winter use; cooked as a vegetable or in pie. Pkt. 5c., oz. 10c., 30c. $\frac{1}{4}$ lb., lb. 90c.

Vegetable Marrow. A long greenish white variety; fine for cooking; very sweet and tender. This is the favorite squash with the English people. Pkt. 5c., 10c. per oz., per $\frac{1}{4}$ lb. 35c., \$1.00 per lb.

Delicious Squash

SWISS CHARD (Spinach Beet)

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use



in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre; the outer leaves only should be carefully pulled from the plant; the foliage part separated from the rib. The former when cooked is served like spinach, which it resembles in taste; the

ribs when boiled and served with melted butter are the equal of finest asparagus.

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per $\frac{1}{4}$ lb., lb. \$1.50.

Silver Leaved. Not quite as tall as the Lucullus, nor so well crinkled. Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 25c., 75c. lb.

Giant Lucullus Swiss Chard



Michell's Improved Strain Bloomsdale Spinach

SPINACH One ounce to 75 feet of row;
12 pounds per acre.

See Cultural Leaflet No. 126 for instructions on spinach growing. Its free, ask for it.

Garden Giant (New). A very large leaved sort, of dwarf growth for spring and autumn use. Pkt. 5c., 10c. per oz., 25c. ¼ lb., lb. 60c.

Bloomsdale Round-Seeded Savoy (Improved Strain.) The hardiest Savoy leaved variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Pkt. 5c., 10c. oz., 20c. per ¼ lb., per lb. 50c., \$2.00 for 5 lbs., 10 lbs. \$3.50.

Bloomsdale (Usual Strain). 5c. per oz., ¼ lb. 15c., 40c. per lb., 5 lbs. \$1.75.

Long Season. A cross between the old reliable Bloomsdale and the Victoria. It produces tremendously large plants and leaves which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled, and are tender. Color, a beautiful dark green. Pkt. 5c., 10c. per oz., per ¼ lb. 20c., 50c. per lb., 5 lbs. for \$2.25.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is an enormous yielder, growing upright, one sowing can be picked from the entire summer, a very distinct variety. Pkt. 5c., 10c. per oz., per ¼ lb. 30c., \$1.00 per lb.

Victoria Long Standing. This thick variety is distinguished by the exceedingly dark green color, and also for its long-standing qualities and crinkled foliage, especially valuable for summer use, resisting the heat to a remarkable degree. Oz. 5c., 15c. per ¼ lb., per lb. 40c., \$1.75 for 5 lbs., 10 lbs. \$3.00.

SUMMER SAVORY HERB (Annual)

A popular kitchen herb used in flavoring, etc. Pkt. 5c., 10c. per ½ oz., per oz. 15c.

SORREL (French Broad Leaved)

Desirable greens for salad; resembles sour grass in flavor. Pkt. 5c., 10c. per ½ oz., per oz. 15c., 30c. per ¼ lb., per lb. \$1.00.

SWEET BASIL HERB (Annual)

A valuable herb for flavoring various dishes. Pkt. 5c., 10c. per ½ oz., per oz. 15c.

SWEET MARJORAM HERB (Annual)

Imported Strain. Used in the kitchen for flavoring. Pkt. 5c., 10c. per large pkt., oz. 20c.

American Strain. This variety is a much larger type and an improvement on the above. Pkt. 10c., 20c. per ½ oz., per oz. 40c.



NEW EXTRA EARLY TOMATO,

Michell's "Crackerjack"

What one of the many gardeners who planted MICHELL'S "CRACKERJACK" TOMATO in 1912 thinks of it:

Your Crackerjack Tomato proved to be a wonder in my garden. It was the first ripe, and the last in the season, always bearing fine specimens of uniform fruit. The size is ideal for table use and I think the name you've given it suits it well.

JOHN LITTLE,

Gardener to Mrs. J. Lowber Welsh,
Chestnut Hill, Phila.

The "distinctive" qualities of "Crackerjack" are so numerous that space will not permit us to describe all. Here are some:

1. **The earliest Tomato** to ripen in Pennsylvania. Fully two weeks earlier than any other sort tried in our gardens.
2. A **continuous bearer**, producing fruits right up till frost time.
3. **The most abundant producer** of any tomato we know.
4. An **absolutely smooth fruit**, colored equally alike in all parts.
5. **Never cracks**, except when overripe and left on vine.
6. **All fruit is of even size**, and every fruit can be used.
7. **Grows in clusters** from 5 to 10 perfect tomatoes.
8. **Fruit is of medium size** and of a brilliant rich scarlet.
9. **Fruit when cut** discloses solid meat and little space for seed.
10. Its **Flavor is very agreeable** and it cannot help to become an immediate favorite with everybody.
11. **The firm flesh** makes it an ideal shipper.
12. Altogether a **"Crackerjack"** for either the home garden or the truck farm.

We highly recommend this variety for forcing under glass. Per packet 20c., 50c. for 3 packets, ½ oz. 60c., \$1.00 per oz., 4 ozs. \$3.50.

Extra strong pot-grown "Crackerjack" Tomato plants
(Ready in May.)

Each 10c., 75c. per doz., 100 \$5.50.

Read on page 6 about our proposed Exhibit of Dahlias and Vegetables to be held September 23d. to 26th, 1913.

WIRE TOMATO TRELLIS, 20c. each, dozen \$2.00, \$14.00 per 100.

TOMATO (One ounce will produce 3500 plants; 1/4 lb. will provide enough for an acre)

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row or in hills 4 feet apart each way. Properly grown tomato plants should be supported. Cultural Leaflet No. 129 covers tomato growing fully, ask for a free copy.



Michell's Very First Tomato, showing its wonderful solidity

EARLY VARIETIES

- Michell's Crackerjack.** See opposite page.
- Michell's Very First.** Frequently the tomatoes will weigh fourteen to sixteen ounces each. It is a heavy producer of handsome fruits which are all well shaped and of a bright red color, in our trials we have found it to be the very first to ripen. Pkt. 20c., 50c. for 3 pkts., per oz. 60c., \$2.00 per 1/4 lb.
- Earliana (Spark's).** The most prolific early tomato ever produced. Grows in clusters; medium in size; solid and most desirable. Pkt. 10c., 15c. 1/2 oz., oz. 25c., 75c. 1/4 lb., lb. \$2.50.
- Bonny Best.** One of the best and most prolific of early tomatoes. The size is not so large but it is very solid and evenly formed. Color a beautiful bright red. Pkt. 10c., 20c. per 1/2 oz., oz. 40c., \$1.50 per 1/4 lb.
- Early Jewel (Chalk's).** A favorite variety with the market gardener. Color, a bright red; solid and a good shipper. Pkt. 10c., 20c. per 1/2 oz., per oz. 35c., \$1.00 per 1/4 lb., per lb. \$3.50.
- June Pink.** One of the recent introductions in tomatoes. In habit it is very much like Earliana, but a beautiful pink color instead of red. 10c. pkt., per 1/2 oz. 15c., 30c. per oz., per 1/4 lb. 85c., \$3.00 per lb.
- Beauty.** One of the largest bright red tomatoes, solid and meaty, quite early. Pkt. 5c. and 10c., 20c. per oz., 1/4 lb. 60c., \$2.00 lb.
- Paragon.** A large solid brilliant red fruit, excellent for canning or serving sliced. Pkt. 5c. (10c. per large pkt.), oz. 20c., 65c. per 1/4 lb., lb. \$2.00.

LATER AND GENERAL CROP VARIETIES

- Michell's Improved Globe.** One of the largest and heaviest tomatoes on our list, the shape is rather oblong so that for slicing it cuts more from a fruit than any other variety; absolutely smooth, never cracks and colors right to the stem. Pkt. 10c., 25c. per 1/2 oz., oz. 50c., \$1.75 per 1/4 lb.
- Livingston's Globe.** A handsome variety, especially adapted to slicing; very solid; color a handsome red, and a great producer; one of the best general crop varieties. Pkt. 10c., 15c. 1/2 oz., 30c. per oz., per 1/4 lb. 90c.
- Stone (Michell's Private Stock).** A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. One of the best all-round tomatoes on the market. Pkt. 10c., 20c. per 1/2 oz., per oz. 40c., \$1.25 per 1/4 lb., per lb. \$4.00.
- Stone (Usual Strain).** Pkt. 5c. and 10c., 15c. per 1/2 oz., per oz. 25c., 85c. per 1/4 lb., per lb. \$3.00.

LATER AND GENERAL CROP VARIETIES

- Red Rock.** One of the most solid varieties, medium size and of a brilliant red color, a fine one for the home or market garden; medium early. Pkt. 10c., 15c. per 1/2 oz., oz. 30c., \$1.00 per 1/4 lb.
- Ponderosa.** The largest tomato in existence; a beautiful red color; heavy producer, and of even form. Pkt. 10c., 15c. per 1/2 oz., per oz. 30c., \$1.10 per 1/4 lb., per lb. \$4.00.
- Dwarf Champion.** A distinct type, the plant looks like a miniature tree; very dwarf and compact; color of fruit, bright red and very solid. Pkt. 5c., 15c. per 1/2 oz., per oz. 25c., 70c. per 1/4 lb., per lb. \$2.25.
- Dwarf Stone.** A dwarf compact growing plant, yielding a large crop of medium-sized very solid tomatoes. Color, bright red. The plant is very distinct; and upright. Pkt. 10c., 20c. per 1/2 oz., per oz. 35c., \$1.00 per 1/4 lb., per lb. \$3.25.
- Favorite.** A very large type, used extensively by private gardeners; color a handsome red; very solid, general crop variety, very prolific. Pkt. 5c. and 10c., 20c. oz., 1/4 lb. 60c., \$2.00 lb.
- Golden Queen.** Large yellow fruit. Pkt. 10c., 1/2 oz. 15c., oz. 30c., 1/4 lb. \$1.00, \$3.25 per lb.
- Matchless.** Large red fruit, general crop. Pkt. 5c., 1/2 oz. 15c., oz. 25c., 1/4 lb. 85c., \$2.75 per lb.
- Trophy.** Very large fruit, pinkish red. Pkt. 5c., 1/2 oz. 15c., oz. 25c. 1/4 lb. 65c., \$2.25 per lb.

FORCING TOMATOES

While especially adapted for growing under glass during the winter, they succeed outdoors quite well, and have one especially valuable feature, being extremely early.

- Michell's Crackerjack.** See opposite page.
- Sutton's Best of All.** One of the finest varieties in use in England, and the seed we offer is in original packets. The fruit is medium sized, and of an intense red color, containing but few seeds, it is produced in clusters of from 3 to 6 fruits. Pkt. 50c.
- Comet.** A cluster averages 6 tomatoes of medium size of the brightest red, ripening up to the stem. One of the first to ripen and continues in bearing for a long while. Pkt. 10c., 20c. per 1/2 oz., oz. 40c., \$1.25 per 1/4 lb.
- Sutton's Eclipse.** A very smooth fruit, borne singly on plants which produce little foliage, a good point in a forcing tomato, vermilion red color; original packets 50c. (\$1.25 for 3 pkts.).
- Lorillard.** One of the large fruited varieties, extensively grown in commercial establishments; a bright, glossy red and very smooth. 10c. pkt., 15c. 1/2 oz., oz. 30c., 80c. per 1/4 lb.

SMALL FRUITED TOMATOES

These are very decorative in the garden, as well as highly desirable for preserving on account of their freedom from acid, they are tremendously prolific, continuing to bear right up to frost. They may be used raw, and make excellent table decorations.

- Red Cherry.** Pkt. 5c., 1/2 oz. 15c., oz. 25c., 1/4 lb. 75c., \$2.50 per lb.
- Yellow Pear or Plum.** Pkt. 5c., 1/2 oz. 15c., oz. 25c., 1/4 lb. 75c. \$2.50 per lb.
- Strawberry or Husk.** Pkt. 5c., 1/2 oz. 15c., oz. 25c., 1/4 lb. 85c. \$2.75 per lb.

TOMATO PLANTS

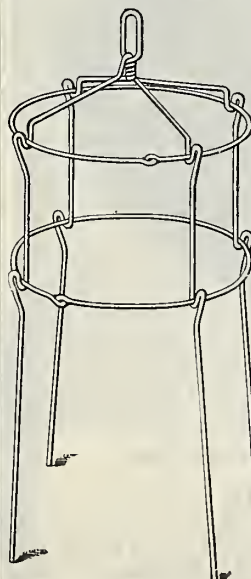
(Ready in April)

	Doz.	100	1000
Hotbed-Grown	\$0.20	\$1.25	\$7.50
Pot-Grown	.50	4.00	37.50

TOMATO SUPPORTS

Larger plants, better and more fruit is obtained when tomatoes are supported.

- Müller's Wire** (see cut). Each 30c., doz. \$3.25, \$23.50 per 100.
- Model Wire.** Each 20c., doz. \$2.00, \$14.00 per 100.
- Perfection, Wood.** Each 25c., doz. \$2.75, \$22.00 per 100.



Müller's Tomato Support

Michell's Pot-grown Tomato Plants produce Early Fruit

TARRAGON

This does not produce seed, but we offer choice plants. These are hardy if given plenty of protection in winter. Do not plant them in an exposed place. Extra large plants, 25c. each (by mail 30c.), per doz. \$2.50, \$17.50 per 100.

THYME (English Broad Leaved)

This is almost an indispensable herb; once planted it remains permanent for years. Pkt. 5c. and 10c., 30c. per ½ oz., per oz. 50c.

THYME PLANTS

Large clumps of the above variety for those who want immediate results. 10c. each (by mail 15c.), per doz. \$1.00, \$7.00 per 100.

TOBACCO SEED

	Pkt.	½ oz.	Oz.
Connecticut	\$0.10	\$0.15	\$0.25
Havana . . . . .	.10	.20	.40
Pennsylvania . . . . .	.10	.15	.25

Special price on larger quantities

TURNIP AND RUTA BAGA

Herbst Rüben (Ger.) Navet (Fr.)

One ounce of seed for 100 feet drill; two lbs. per acre, broadcast

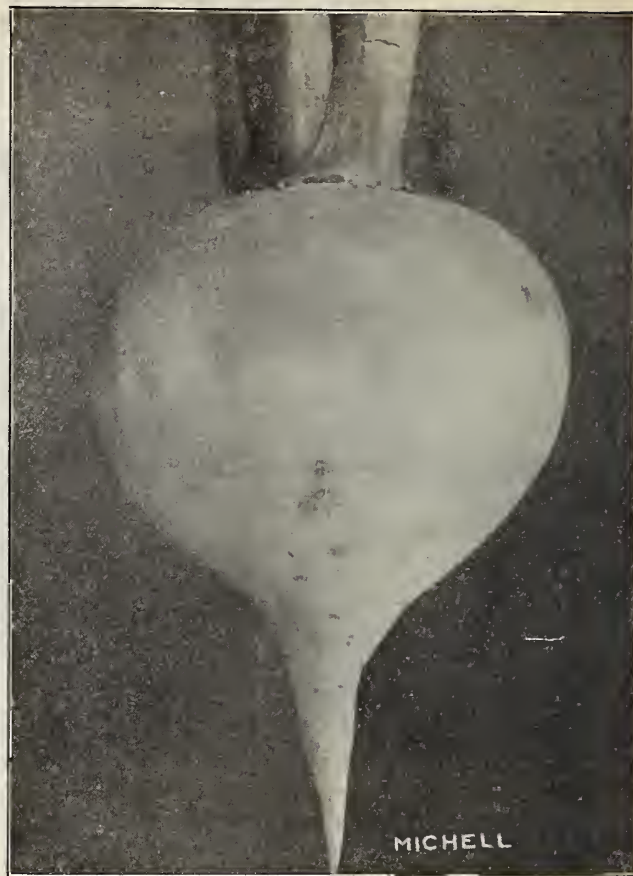
For early use sow the small sorts as soon as the ground can be worked in the spring in drills fourteen inches apart. Ruta Bagas thirty inches. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly so the roots can develop. For fall and winter use the early kinds should be sown from the middle of July to the middle of August, and Ruta Bagas from the middle of June to the fifteenth of July.



MicHELL's Private Strain Ruta Baga

RUTA BAGA

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt. 5c. and 10c., 15c. per oz., per ¼ lb. 35c., \$1.25 per lb., 5 lbs. for \$5.00.
Improved Purple Top Yellow. This variety is the same color as the above, except the shape is more oblong. It is very desirable for stock feeding. Pkt. 5c., 10c. per oz., per ¼ lb. 25c., 75c. per lb., 5 lbs. for \$3.00.



Private Strain Improved Purple Top White Globe Turnip

TURNIP

Aberdeen. A flat yellow variety, a good winter keeper. Pkt 5c., 15c. per oz., per ¼ lb. 35c., 50c. per ½ lb., per lb. 80c.
Cow Horn. A long white variety used for soiling and stock feeding. Pkt. 5c., 10c. per oz., per ¼ lb. 20c., 30c. per ½ lb., per lb. 60c.
Early Purple Top Munich. A flat variety, very early, white flesh. Pkt. 5c., 15c. per oz., per ¼ lb., 30c., 45c. per ½ lb., per lb. 75c.
Early White Flat Dutch. A good variety for early spring sowing, matures quickly. Pkt. 5c., 10c. per oz., per ¼ lb. 20c., 30c. per ½ lb., per lb. 50c.
Early Purple Top Flat. The most popular variety in cultivation, a large yielder, well flavored. Pkt. 5c., 15c. per oz., per ¼ lb. 30c., 45c. per ½ lb., per lb. 75c.
Purple Top White Globe. A large perfect shaped sort, the skin is purple at top and white at bottom, very sweet. Pkt. 5c., 15c. per oz., per ¼ lb. 30c., 45c. per ½ lb., per lb. 75c.
Purple Top White Globe. (Private stock.) This is a careful selection of the above variety, especially adapted for private gardens. Pkt. 5c. and 10c., 15c. per oz., per ¼ lb. 35c., 50c. per ½ lb., per lb. \$1.00.
Robertson's Golden Ball. A globular-shaped sort, with deep yellow flesh. Pkt. 5c., 10c. per oz., per ¼ lb. 20c., 30c. per ½ lb., per lb. 50c.
Snowball. A pure white globe variety, very early. Pkt. 5c., 10c. per oz., per ¼ lb. 20c., 35c. per ½ lb., per lb. 60c.
White Egg. A small egg-shaped variety, good for early sowing. Pkt. 5c., 10c. per oz., per ¼ lb. 20c., 30c. per ½ lb., per lb. 50c.
White Milan. A handsome flat sort, grand for very early use, sweet and tender. Pkt. 5c., 10c. per oz., per ¼ lb. 25c., 80c. per lb.
Yellow Globe or Amber. Shaped like the purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt. 5c., 10c. per oz., 30c. per ¼ lb., per lb. 80c.

WORMWOOD

A medicinal herb of great value. Perfectly hardy with slight protection. Pkt. 5c. and 10c., 15c. per ½ oz., per oz. 25c.

FIELD SEED CORN

Prices on Field Corn subject to market changes

Plant 8 to 10 qts. per acre in hills sow $2\frac{1}{2}$ to 3 bushel broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market, we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corns where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which mean a considerable increase in production.

Never use feeding Corn for Seeding Purposes

Leaming Early Dent (Pedigreed Stock). This variety has always been used foremost by most planters of field corn. It is readily distinguished by the beautiful long ears of deep grained, uniform kernels, resplendent in a deep shade of golden orange. The cob when shelled is very small and of reddish color. The stalks grow about 7 feet, very leafy, excellent for fodder, and on the average will produce two ears to the stalk. This strain assures the largest ears with every kernel perfect; ripens in 90 days and occasionally crops 100 bushels to the acre. On the ear only in 1 bushel crates, \$6.00 per crate; 5 bushels for \$27.50. (Stock of this limited.)

Leaming Early Dent. This is our usual carefully grown stock, which is excellent in every respect. Qt. 15c., 40c. for 4 qts., peck 60c., \$2.25 per bu.

Golden Beauty. The broad massive golden yellow dented grains are arranged very evenly on gigantic cobs. The fodder is enormous, often growing 12 feet high; it matures late but yields wonderful crops; desirable for silo and ensilage purposes. Qt. 15c., 40c. per 4 qts., peck 60c. \$2.25 bu.

Chester County Mammoth. A native variety of this vicinity, grown especially for us by a private expert corn raiser. The ear and stalk are almost as large as Golden Beauty. The dented kernel is deeper, however, and of a light yellow shade; a late maturer. Qt. 15c., 35c. per 4 qts., peck 60c., \$2.25 per bu.

Cloud's Early Yellow Dent. Our stock of this is grown by the originator, who is extremely careful. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about $\frac{3}{4}$ of an inch long. It delights in rich soil if the best is expected of it. Qt. 15c., 40c. for 4 qts., peck 65c., \$2.25 per bu.

100 Day Bristol. This matures within the time named and produces large stalks. The ears are about 9 inches long, very thin cob when shelled. The sulphur yellow grain is dented, very broad and not very deep; an easy variety to husk. 15c. qt., 4 qts. 35c., 60c. peck, bushel \$2.25.

Early Canada Flint (Eight Rowed). This is a medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled, excellent for pigeon and poultry feed. Qt. 15c., 35c. for 4 qts., peck 60c., \$2.25 per bu.

Hickory King. A very broad dented white grain, white cob variety, for ensilage, silo and fodder purposes it is ideal. It matures very late, but is an enormous producer. Qt. 15c., 35c. for 4 qts., peck 60c., \$2.25 per bu.

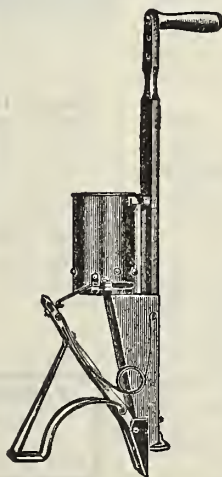
Virginia Ensilage. This grows invariably 12 to 14 feet high, stands up during the most severe windstorms. The seed is white, very deep and broad, with a thin red cob. It is the principal ensilage corn of the South. It will yield more fodder than and other variety. Qt. 10c., 30c. for 4 qts., peck 60c., \$2.00 per bushel.

Red Cob Ensilage. A long narrow white grain, a late maturer and used for silo, green feed or ensilage purposes. A tall rank grower and prolific in leaves. 10c. qt., 4 qts. 30c., 50c. peck, bu. \$1.85.

Fodder Seed Corn. For sowing broadcast as a green summer food for stock. 10c. qt., 4 qts. 30c., 60c. peck, \$2.00 per bushel.

AMERICAN HAND CORN PLANTER

A planter of this type is a great economizer of seed, besides saving an enormous amount of labor by rapid planting. Price. \$2.00.



American Hand Corn Planter

Headquarters for HIGH GRADE FARM SEEDS

PRICES ON ALL FARM SEEDS SUBJECT TO MARKET CHANGES

ALFALFA (See page 14)



A Head of Japanese Buckwheat

these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. 15c. per qt., peck 50c., \$1.50 per bushel.

SILVER HULL BUCKWHEAT

This produces a medium sized silver-gray grain; it does especially well on poor ground. For feeding it is not as good as the "Japanese," but the flour produced from it is whiter. It does not mature its crop as early as the former, but is very prolific. One bushel (48 lbs.) will sow an acre. 15c. qt., peck 50c. \$1.50 per bushel.

SPRING BARLEY

There is a threefold purpose in growing barley. Its straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed and with the latter removed is used in the household. It is a quick growing crop and very nutritious. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast $1\frac{1}{2}$ to 2 bushels per acre from May 15th to July 1st.

Beardless. N. Y. grown stock frequently yields 50 bushels per acre. 15c. qt., 4 qts. 35c., 50c. peck, bushel \$1.75 (48 lbs.).

Primus (Swedish *Svalof Pedigree Bearded*). This strain of barley is the finest in the land, and if looking for something extra in quality, this is the strain to plant. We have the genuine seed. \$1.00 per peck, bushel \$3.25

COTTON SEED

The Sea Island variety, which we handle, if sown early in May will mature in the latitude of Phila. Plant in drills 3 feet apart, dropping a seed about every six inches. Pkt. 5c., 10c. $\frac{1}{4}$ lb., lb. 20c., 75c. for 5 lbs.

EVERGREEN BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder is suitable for bedding and grows to a height of about nine feet. This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding highest market prices. Sow in May about ten pounds per acre in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. It is usually in condition for cutting on the first approach of the frost, the brush part being gathered first. Yields 1000 lbs. of salable brush per acre. 15c. qt., 4 qts. 45c., \$2.50 per bushel (46 lbs.).

JAPANESE BUCKWHEAT

In the locality of Philadelphia this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. This variety produces brown seed, is very prolific, maturing fully a week earlier than "Silver Hull" variety. It makes a very fine quality of flour, but is chiefly used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food; while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat.

CLOVERS (See page 14)



SOJA OR SOY BEANS

This very valuable farm plant is not used as extensively as it should be. It has three very valuable points. It enriches the ground in which it is planted by the free nitrogen gathered from the air and which is deposited in the ground by the roots, leaving it in ideal condition and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with other hay or corn. The seed when harvested and ground into meal gives milk a very rich flavor and is fed with great advantage to milch cows mixed with bran or any other soft feed. Plant $\frac{3}{4}$ bushels to the acre in drills $2\frac{1}{2}$ feet apart, which will place the plants about 10 to a foot, anywhere from the 1st to the last of May. If wanted for silo it will be ready for harvest about the first of September or earlier, when the pods will all be well filled; yields as high as 20 tons of green food per acre.

	Qt.	Peck	Bush.
Mammoth Yellow (Late)	\$0.15	\$0.75	\$2.50
Early Hollybrook .....	.15	.75	3.00

FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant a bushel to the acre from May 15th to June 15th. If desired for the fibre, sow $1\frac{1}{2}$ to 2 bushels. Lb. 10c., \$1.15 peck (14 lbs.), bushel (56 lbs.) \$4.00.

GRASSES

For farm and hay purposes, see pages 11, 12 and 13.

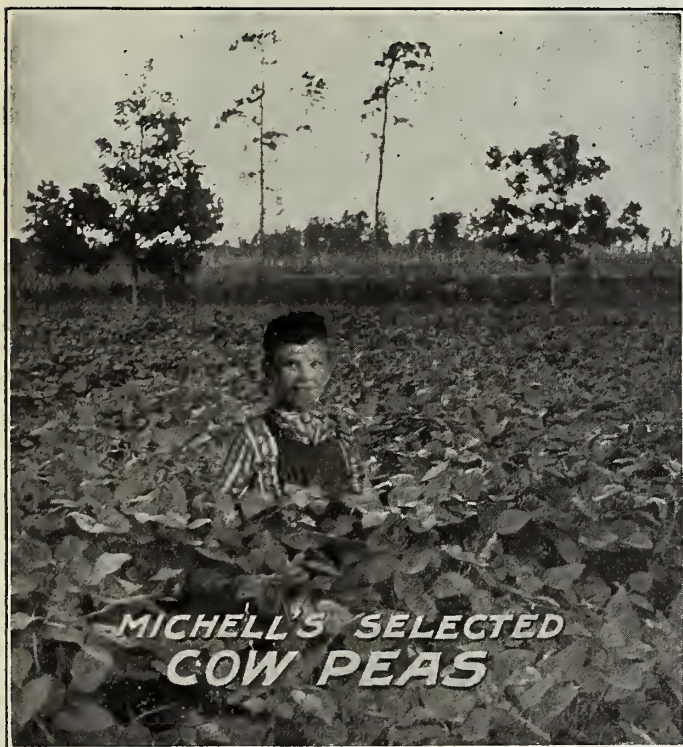
FARMOGERM NITROGEN-GATHERING BACTERIA

This will be found a very valuable preparation in connection with plantings of Soy Beans, Cow Peas and other legumes. See page 15 for full particulars.

PRICES ON ALL FARM SEEDS SUBJECT TO MARKET CHANGES

CANADA FIELD PEAS (Especially for Seeding)

These are used for various purposes, chief among them being a very early green food; when used this way they are sown with oats about April 1st at the rate of 1½ bushel of Peas and 1½ bushel of Oats to the acre either drilled or broadcasted. The oats is intended as a support for the peas. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnishes excellent pea hay; horses like it very much when properly cured, as does all other stock. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later particularly wheat are wonderfully benefitted by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. 10c. qt., peck 65c., \$2.50 bushel (60 lbs.).



COW PEAS

These are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. In the South it is the staple forage crop for winter feeding, and when stock gets accustomed to it, they will prefer it to other kinds of hay. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, taking the free nitrogen from the air, which it deposits in the ground through the roots leaving it very rich in ammonia. The short-growing varieties are best for turning under as green manure, while the trailing sorts are desirable for hay. Cattle, sheep or hogs can be turned into a field of them and they will eat it off greedily and the stubble can be plowed under. Sow from May 1st to July 1st, 2 bushels per acre broadcast, or 1 bushel per acre in drills. For a large crop sow the seed as late as possible and not too thick.



Canadian Cluster Oats

CHOICE SEED OATS

Our prices are all based on the legal weight of 32 lbs. per bushel. Sow from April till June, 3 bushels to the acre.

Ligowo II (*Pedigreed Swedish Svalof*). This is the heaviest strain of oats we've ever handled; it produces enormous grain heads and tall, erect straw; if you want something extra, try this. 65c. peck, bushel \$2.50.

Swedish or Washington. The long erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color; this variety is especially free from diseases. 15c. qt., peck 40c., \$1.50 bushel.

Canadian Cluster. This variety is an enormous yielder, producing very large heads; our seed stock of this was originally brought from the oat-belts of Canada, but has now been thoroughly acclimated to the climate of the United States. 15c. qt., peck 45c., \$1.50 bushel.

See page 54 for other Seed Oats.

COW PEAS

Black. This is one of the early upright-growing varieties, desirable for plowing under. 15c. qt., 4 qts. 50c. 90c. pk., bu. \$3.50.

Black Eye. The vines of these are of a trailing habit, ideal for harvesting as fodder; a tremendous producer; late. 15c. qt., 4 qts. 50c., 90c. peck, bushel \$3.50.

Whippoorwill. An early upright-growing variety, seed is reddish brown speckled, some claim that this variety is capable of gathering more nitrogen than others. 15c. qt., 4 qts. 50c., 90c. peck, bushel \$3.50.

Wonderful or Unknown. This is an enormous producer, very late in maturing, trailing variety. 15c. qt., 4 qts. 50c., 90c. peck, bushel \$3.50.

New Era. An early upright-growing variety, the seed is smaller and requires about 25% less in quantity to sow an acre. 15c. qt., 4 qts. 50c., 90c. peck, bushel \$3.25.

Two-Bushel Seamless Sacks, used on Farm Seeds, 22c. each; returnable at price charged

PRICES ON ALL FARM SEEDS ARE SUBJECT TO MARKET CHANGES

STORM KING SEED OATS PEDIGREE STOCK

Our strain of this variety was brought from Russia two years ago and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring 5 feet in height. Our supply of this is limited and we recommend early ordering, as we know that the demand will exceed the supply. Yields frequently 85 bushels per acre. 20c. qt., peck 60c., \$2.00 bushel.

WELCOME SEED OATS

This is one of the popular varieties, extensively grown in this locality; it yields a heavy stiff straw and is a large producer. 15c. qt., peck 35c., \$1.20 bushel.

See also page 53 for other Seed Oats.

VIRGINIA GRAY WINTER OATS

These are grown principally in the South, where they are hardy. They can be sown further North in the spring and produce good crops. 15c. qt., peck 40c., \$1.20 bushel.

KAFFIR CORN White, for Seed

This belongs to the Sugar Cane family and has great drought-resisting qualities; the grain is used for feeding poultry and the fodder for cattle, is ideal for planting where the corn seed has failed to germinate and it is too late to replant. Grows from 4 to 6 feet high, the grain being produced on the top of a stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. 10c. qt., peck 40c., \$1.50 bushel (56 lbs.).

MILLET

This is a very important emergency crop when the season for hay has been unsatisfactory. Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about ten inches high. It makes an excellent green food for stock which is not allowed to pasture. If used for hay and dried it should be cut just as it matures. If allowed to stand longer, it gets hard and less palatable for the animals.

Tennessee, German or Golden. This requires a longer season to mature than the other sorts, it produces, however, a very fine quality of hay and makes a larger seed-head. In good seasons it grows about 4 feet high. Sow 1 bushel (48 lbs.) broadcast to the acre, from April 10th to July 10th. 15c. qt., peck 60c., \$2.00 bushel (48 lbs.).

Hungarian. The seed is a mixture of brown and yellow and produces hay not so fine in quality as the "German," also fully a foot less in height, it can, however, be sown some 2 weeks later. Sow 1 bushel per acre. 15c. qt., peck 50c., \$1.75 bushel (48 lbs.).



A Head of Japanese Millet

JAPANESE BARNYARD MILLET

This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast anywhere from May 1st to June 15th. 10c. lb. 10 lbs. 80c., \$7.00 per 100 lbs.

PEARL MILLET (*Pennisetum Spicatum*)

A valuable fodder plant. Enormously productive. Sow in drills 2 feet apart, 10 to 12 lbs. per acre. 12c. per lb., per 10 lbs. \$1.10, \$5.00 bushel (50 lbs.).

SPRING RYE

This furnishes an excellent early green food if cut, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow 1½ bushels broadcast or in drills from May to June 1st. 10c. qt., peck 50c., \$1.75 bushel.

WINTER RYE

Thousandfold. This makes a fine winter cover crop, being usually sown in the autumn as late as November, making a very fine yield of long stiff straw. Sow 1½ bushel per acre. 10c. qt., peck 40c., \$1.35 bushel.

DWARF ESSEX RAPE

This makes an indispensable green food for sheep and hogs. It can be pastured 8 weeks after sowing; the growth is enormous; if one has the available land it is good to sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time; this, of course, depends on the number of head turned on an acre. Sow 6 lbs. per acre broadcast or in drills from April 1st to October 1st. It produces enormous crops and is an ideal green manure. Experiment Stations recommend that stock feeding on it should have ready access to salt. This is an ideal food for young lambs and hogs and does well under trying conditions. 10c. lb., 10 lbs. 90c., \$7.00 per 100 lbs.

SUGAR CANE OR SORGHUM

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be thrashed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and on account of its root branching habit it can be cut several times in one season, in fact it yields most when handled in this manner. Sow 25 lbs. of seed to the acre in drills 3½ feet apart; 1 or 2 bushels broadcast. 15c. qt., peck 75c., \$2.50 per bu. (48 lbs.).

THE NEW AMERICAN FARM BOOK

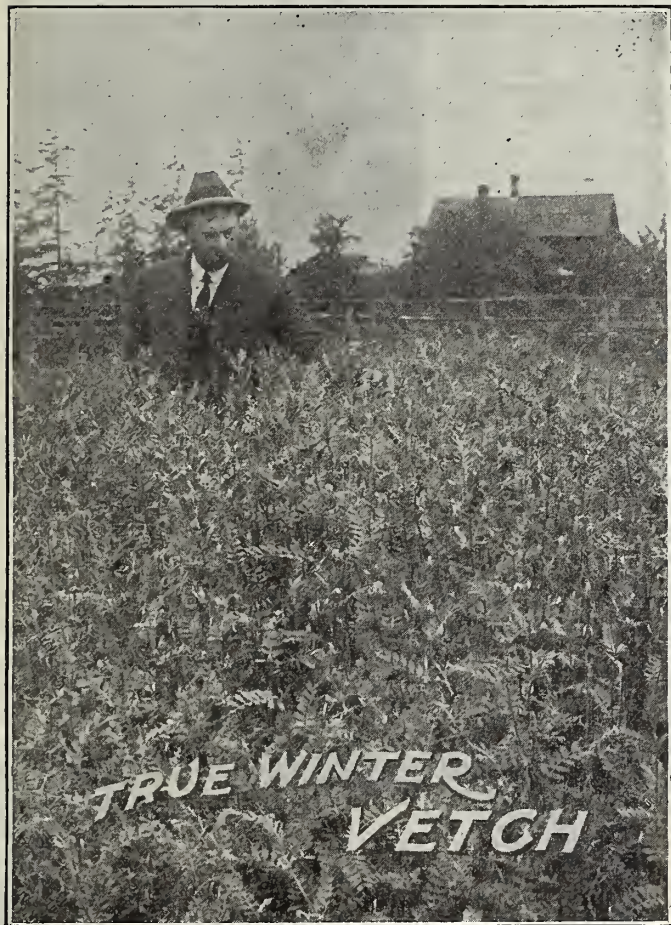
A volume of 526 pages, written by one of the foremost authorities on the subject, containing much that is new and important to the average agriculturist. Price, \$2.00 postpaid.

In ordering Farm Seeds, always allow 22 cents for each Two-Bushel Bag. These are returnable at the price charged

TIMOTHY SEED. *Extra recleaned stock, see page 13.*

TEOSINTE (Reana Luxurians)

This is used extensively in the South, where it is, at times, difficult to grow forage crops on account of the long periods of drought and frequently poor soil; a single plant makes a tremendous growth, often producing as many as fifty stalks. Its foliage is like corn leaves, very broad and contain a sweet sap. Cattle eat it with a relish. It stands 5 feet high when matured, but it can be cut when two or three feet high. It produces new branches or stalks from the roots. Sow during May and June in drills $3\frac{1}{2}$ feet apart, 5 to 6 lbs. per acre. 75c. lb., 5 lbs. \$3.50.



SUNFLOWER, Mammoth Russian

This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities. Will yield sometimes as high as sixty bushels per acre. Harvest after the first few frosts, cutting the seed-head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. 10c. qt., 4 qts. 30c., 55c. peck, bushel \$1.75.

SPELTZ or EMMER

This grain resembles wheat but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after thrashing is equal to the best wheat. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre anytime after April 1st; the earlier the better. 15c. qt., peck 50c., \$1.75 per bushel.

PRICES ON ALL FARM SEEDS SUBJECT TO
MARKET CHANGES

VETCHES or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye, the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish white in clusters. The height when supported is frequently 4 feet.

Sand, Hairy, or Winter Vetch (*Vicia Villosa*). Our stock of this is the true type, which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the Northern sections of the U. S., and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed in as green manure, or when in flower cut for hay. All stock relish it keenly. 15c. lb., 10 lbs. for \$1.25, \$6.50 per bushel of 60 lbs., per 100 lbs. \$10.00.

Spring Vetch (*Vicia Sativa*). The seed of this is larger and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast and 1 bushel if in drills, with either spring wheat, spring rye or oats for support. It possesses very much the same desirable features as the winter vetch. 10c. lb., 10 lbs. 75c., \$3.25 per bushel of 60 lbs., 100 lbs. \$5.00.



SPRING WHEAT *Spring Wheat*

A desirable crop to sow where fall-sown wheat has been killed by severe winter; the grain is very hard and of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest and is very fine.

Saskatchewan Fife. This is the favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May $1\frac{1}{2}$ to 2 bushels per acre, broadcast or in drills. 15c. qt., peck 65c., \$2.50 per bu.

WINTER WHEAT

In season we carry a large stock of the best varieties.

In ordering Farm Seeds always allow 22c. for every two-bushel Seamless Bag used. These are returnable for credit or refund at the price charged.



The Cream of Novelties and Specialties in Flower Seeds for 1913

FOR GENERAL LIST OF FLOWER SEEDS, SEE PAGES 64 TO 101

When we claim to offer the cream of Novelties, it not only means that they are new but that they possess merits worthy of anyone's trial. To deserve our claim for progressiveness we realize we must be the first in the field to offer the latest introductions of the hybridizer, yet we must be jealously careful in our selections from the hundreds of offers to guard against disappointments, and for this reason alone our list may be small compared with some others, but we are proud to say, there can be none better.



Michell's Giant Snapdragon (Antirrhinum)

NEW GIANT SNAPDRAGON (Antirrhinum) MICHELL'S SALMON PINK

For effective grouping in the garden or for cutting, nothing surpasses the Giant Snapdragons, and we are pleased to be able to offer our customers seed of this new variety, which will be found a valuable addition to this class of flowers. **The large flowers are produced on long spikes** and are of a delicate salmon pink color. Per pkt. 15c., 40c. per large pkt.

NEW ASTER—MICHELL'S "PINK SUPERB"

A new and valuable variety of Aster, which is really "Superb" in every sense of the word. The flowers are of **immense size**, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a **beautiful light, or shell pink**. One of the admirable features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt. 25c., 65c. per large pkt., per 1/4 oz. \$2.00; \$7.50 per oz.

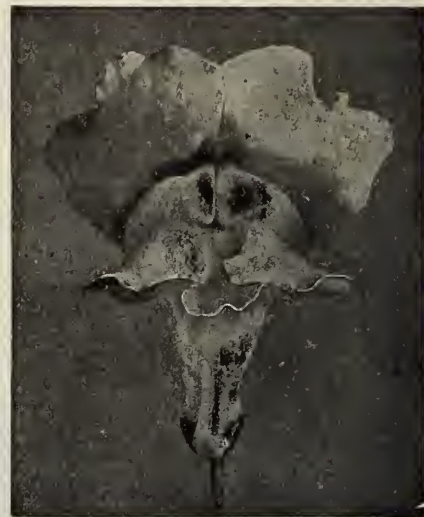
ASPARAGUS HATCHERI NEW TYPE OF ASPARAGUS PLUMOSUS

Of dense and symmetrical growth, dainty fern-like fronds set close together along the stalk; its large fronds and lasting qualities make it valuable for decorative use; also valuable for specimen pot plants. Per pkt. 25c., \$1.50 per 100 seeds.

NEW GIANT SNAPDRAGON

(Antirrhinum)
"VENUS"

A new color in the Giant Flowering Snapdragons, and just the color in demand; a **lovely shell pink on white ground**, set off by a **pure white throat**. The long stalks are thickly studded with large flowers of the finest form. This splendid new sort will undoubtedly become one of the most valued. Per pkt. 15c., 40c. per large pkt.



Antirrhinum Venus

SUMMER FIR

(Artemisia Succorum Viridis)

A new ornamental foliage plant introduced from China; forms grand pyramidal bushes 3 to 5 feet high. As a solitary plant it resembles a nicely grown Christmas tree, also pretty as a pot plant, and may also be grown in groups and borders similar to Kochia Trichophylla. Foliage fine and of a rich dark green; stands the heat and drought extremely well. Per pkt. 20c., 50c. per 3 pkts.

ASTILBE (Spirea Hybrida Rosea)

By crossing Spirea Japonica with the Chinese variety, which two varieties are now on the market and well known, the originator obtained a pink flowering forcing Spirea. What is offered now under the above name as an outdoor growing Spirea, come from the same seed and has proved a veritable acquisition for the hardy garden. The coloring is in **all shades of pink**. Per pkt. 25c., 65c. per 3 pkts.



Michell's "Pink Superb" Aster



New Asternum

THE SAWYER ASTERNUM

A GLORIFIED ASTER—A SPLENDID NEW TYPE

A new Aster originating with Mr. Sawyer, of Illinois, and whose description we give herewith. The plant grows straight up with strong sturdy stems, starting near the base and reaching from 18 to 24 inches, and owing to the symmetry of the plant, they may be set more closely than other varieties. Each plant yields from **ten to fifteen blooms**, which last a long while after being cut. We are pleased to offer seed of the Asternum in the following three colors:

	1/4 Oz.	Large Pkt.	Pkt.
White	\$3.00	\$1.25	\$0.25
Pink	3.00	1.25	.25
Lavender	3.00	1.25	.25
Mixed	3.00	1.25	.25

One pkt. each of the above 3 colors for 65c.

ASTER—BLUE BIRD

This new variety is of the same type as Daybreak and Purity; plant of very symmetrical habit; color, a **fine shade of light blue**. Per pkt. 15c., 50c. per large pkt.

See page 56 for Michell's New "Pink Superb" Aster.

ASTER—VICK'S ENCHANTRESS PINK

A new variety of vigorous, upright, branching habit, with a great profusion of long, strong stems; the beautiful, large double flowers have the **delicate pink shade of the Enchantress Carnation**. The broad, flat petals give a pleasing soft effect. Per pkt. 25c., 65c. per 3 pkts., 5 pkts. \$1.00.

ASTER VICK'S WHITE KING

This new variety will attract the attention of every one who is acquainted with the Violet King. The flowers are large, full centered, and **pure white**; stems long, 16 to 20 inches; a profuse bloomer. Per pkt. 25c., 65c. per 3 pkts., 5 pkts. \$1.00.

CELOSIA

OSTRICH PLUME

PRIDE OF CASTLE GOULD

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in mixture. Per pkt. 15c., 40c. per large pkt..

CENTAUREA PULCHERRIMUS

A perennial variety, originating from the Caucasus Alps and therefore is hardy in our climate; the flowers resemble in appearance the Giant Corn Flower; are from 2 to 3 inches across and of a **delicate pink color**, and are borne on stems averaging, as a rule, 2 1/2 feet. Per pkt. 25c., 65c. per 3 pkts.

RAINBOW CORN

Beautiful as the most showy Dracenas; broad stripes of crimson, yellow, white, green, rose and bronze; excellent for decorating purposes; as easily grown as field corn. Per pkt. 10c., 60c. per oz.

NEW HYBRID DELPHINIUMS

(Hardy Perennial Larkspurs)

We take pleasure in offering to our customers the following choice named varieties of Delphiniums, which should come fairly true from seed; flowers of the largest size.

Amos Perry. Flowers semi-double, rich rosy mauve flushed with sky-blue, dark eye. Per pkt. 15c., 50c. per large pkt.

Duke of Connaught. Rich Oxford blue with a distinct white eye. Per pkt. 15c., 50c. per large pkt.

Mme. Violet Geslin. Semi-double flowers, clear blue, lavender centre with white eye. Per pkt. 15c., 50c. per large pkt.

Portia. Lovely cornflower blue, with dark centre. Per pkt. 15c., 50c. per large pkt.

Queen Wilhelmina. Large flowers of a soft lavender blue, flushed with rose, white eye. Per pkt. 15c., 50c. per large pkt.

Rembrandt. Bright, sky-blue, inner petals rosy lavender. Per pkt. 15c., 50c. per large pkt.

One pkt. each of the above 6 Varieties for 75c.

*Dimorphotheca—Aurantiaca Hybrida***DIMORPHOTHECA AURANTIACA HYBRIDA****New Hybrids in Splendid Mixture**

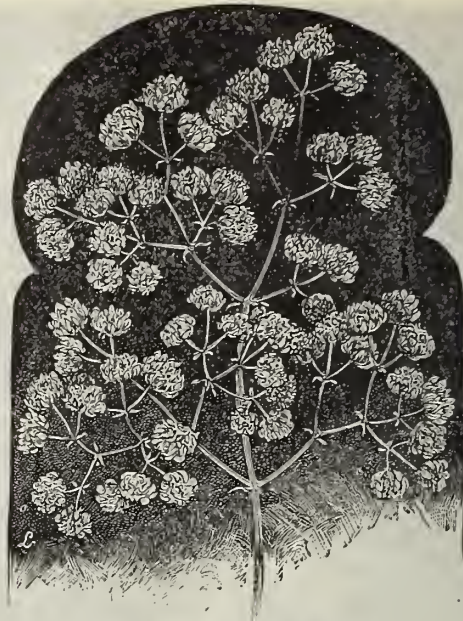
In habit, growth and foliage, as well as in height and size of bloom the new hybrids are similar to the parent *Dimorphotheca Aurantiaca*, which has become so popular since its introduction. The flowers vary in color from the purest white to reddish and bluish white, sulphur, lemon and golden yellow, delicate rose to deep salmon orange, etc., while some flowers show zones of contrasting colors. Per pkt. 20c., 50c. per large pkt.

NEW HYBRID FREESIAS—IN ALL COLORS

Freesias are lovely pot plants on account of the sweet fragrance of the flowers. Through the efforts of a French hybridizer we are able to offer seeds of these in **all the colors of the rainbow**. Seeds should be sown in the house and with proper care many of the seedlings will flower within 8 months from the date of sowing. The following colors may be expected to be among the seedlings: all shades of pink, red, lilac, violet, yellow and orange. Per pkt. 25c., 65c. for 3 pkts.

NEW GIANT HIBISCUS—MALLOW MARVELS

One of the most attractive perennials, flowering the second season from seed; grows to the height of 5 feet, bearing **gigantic single flowers, 7 inches in diameter** in many shades of **red, pink, purple and white**. The flowers resemble an open bell, face forward, and show their attractive yellow piston in the centre; blooms from July until frost. Per pkt. 15c., 40c. per large pkt.

*New Giant Hibiscus**Gypsophila—Double White***NEW "DOUBLE BABY'S BREATH" GYPSOPHILA PANICULATA, FL. PL.**

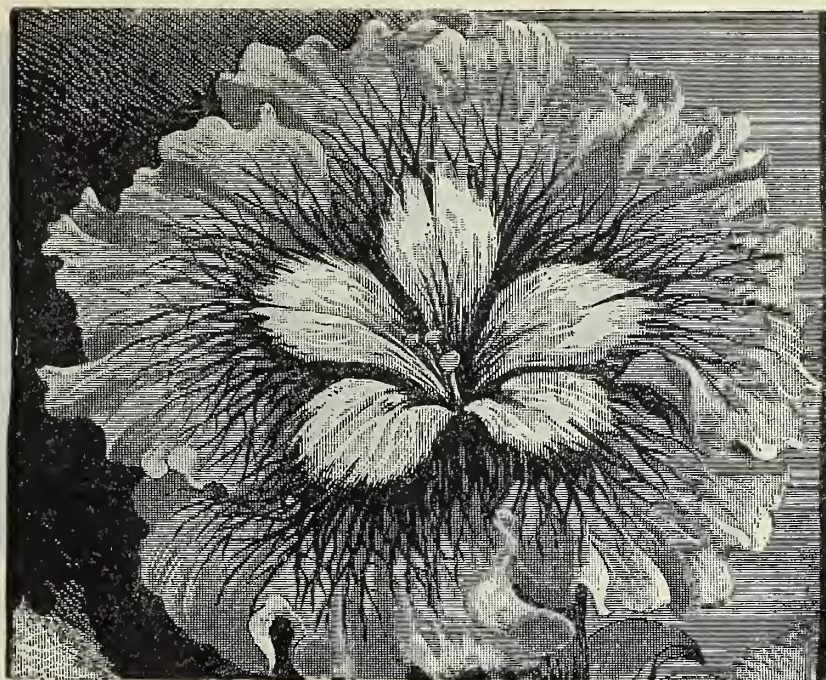
The doubling of the flower gives it a distinct yet handsome appearance. The plants flower so free that a small branch cut with highly colored sweet peas gives it the appearance of a multitude of miniature snowflakes gracefully floating over the surface. This variety is perennial and once established it will last for years; color, **pure white**. Per pkt. 25c., 65c. for 3 pkts.

SPECIAL OFFER: One pkt. each of the 5 Novelties offered on this page for 85c.

LOBELIA HYBRIDA "SAPPHIRE"

Great attention has been given of late years to the floral decoration of balconies and window fronts, and in addition to Petunias, Ivy-leaved Geraniums, etc., used for this purpose, trailing Lobelias are also coming into much demand. This new variety is of remarkably **strong growth**; the flowers are unusually large for a Lobelia, measuring **three-quarter inch across**, and are thickly set on the long graceful sprays of foliage; color of flowers, **intense deep blue with large and clearly defined white eye**. A well-grown plant covered with these lovely blue ocular flowers makes a splendid sight. Per pkt., 15c., 25c. per 2 pkts.

*Lobelia—Sapphire*



Petunia—Michell's Monstrosus

NEW LARGE FLOWERING PETUNIA MICHELL'S MONSTROSUS

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt. 25c., 75c. per large pkt.



Pentstemon Hartwegi Albus

Special Offer. One pkt. each Petunia Monstrosus, Petunia Undine, Pentstemon, Oenothera and Phlox Mixed for 90c.

PENTSTEMON LARGE FLOWERING WHITE (*Pentstemon Hartwegi Albus*)

The plants of this fine new variety attain a height of about 2½ feet; they branch freely from the base, develop a brilliant green foliage and throw up numerous flower-spikes, all thickly studded with large open-throated gloxinia-like blooms, one to one and one-half inches across; the buds at first are of a creamy color, but change to a clear white when opening. It blooms early and continues to bloom for a long time. Per pkt. 25c., 65c. per 3 pkts.

NEW BLUE PETUNIA "UNDINE"

A new light blue Petunia of incomparable beauty and luxuriance, and therefore very valuable as a pot plant, as well as for garden beds; also valuable for window boxes, etc. The surpassing charm of this variety lies in the particular azure color which merges into the lilac margin. Per pkt. 25c., 65c. per 3 pkts.

GIGANTIC EVENING PRIMROSE OENOTHERA "AMERICA"

This new variety of Evening Primrose is most remarkable, for it has features which are not possessed by any other flower; the blooms never open until it has become dusk, after which the plants are completely covered with flowers often measuring 5 inches across, and of the purest white. When they are opening they have the appearance of a poppy, when they fully open they have the appearance of a large Clematis. During the night they change their color, and in the morning are of a beautiful delicate pink, and as the sun rises the flower gradually closes up and at ten o'clock are entirely closed, so that you really have two spaces of time to admire this flower in. It begins to flower as early as June 15th and remains in bloom the entire season. Per pkt. 20c., 65c. per large pkt.

MICHELL'S HARDY PHLOX SEED IN NAMED VARIETIES

We are very much pleased to be able to offer to our customers this season, seeds of the Hardy Perennial Phlox in the newer and best named varieties.

For full description see plant department.

WHITE VARIETIES

Bridesmaid

Fiancee

Jean d'Arc

Miss Lingard

Mrs. Jenkins

Richard Wallace

Von Lassburg

PINK VARIETIES

Elizabeth Campbell

Gruppen Konigen

Hanny Pfeleiderer

Pink Beauty

Rheinstrom

R. P. Struthers

Selma

Tower of Eiffel

William Robinson

RED AND SCARLET VARIETIES

Coquelicot

Dr. Konigshofer

Embracement

Fernand Cortez

Gen. Chanczy

Gen. Von Heutz

Goliath

Madame P. Langier

Matador

Montagnard

Von Hochberg

Price, any of the above varieties, per pkt. 25c., 65c. per 3 pkts., 5 pkts. \$1.00.

Mixed, of the above colors, per pkt. 15c., 25c. per 2 pkts.



Petunia Hybrida—Undine



DWARF LARGE FLOWERING FRINGED PETUNIA

The demand for really good dwarf, compact-growing Petunias has been met after years of careful selection in this excellent dwarf strain, with **large fringed flowers**. The plants grow only **8 inches high**, and while branching freely from the base, they remain quite compact. The individual plants make handsome small bushes, on which the numerous flowers, borne well above the foliage, appear in **all the colors common to Petunias**. Per pkt. 30c., 80c. per 3 pkts.

NEW SINGLE ANNUAL POPPY "KING EDWARD"

Plants grow about $2\frac{1}{2}$ feet high and produce, in the **greatest profusion**, flowers of a **deep scarlet, shaded crimson red**, each petal marked with a large black blotch for half its length from the base, against which the yellow anthers stand out in bold relief. Per pkt. 15c., 40c. per large pkt.



Primula Malacoides Alba

PRIMULA "MALACOIDES"

This new and pretty variety introduced from China two years ago has proved to be one of the freest-flowering species for pots and is, in consequence, already widely cultivated. The seedlings **bloom in four to five months after sowing**; resembles *Primula Forbesi* but its growth is much more sturdy, and the flowers which are borne in whorls on long stems are much larger; color, a **pretty light lilac**. Per pkt. 25c., 65c. per 3 pkts.

PRIMULA MALACOIDES ALBA

This new variety produces **pure white flowers**; it is equally as handsome as the lilac type form described above, and will, no doubt, soon achieve a similar share of popular favor. Per pkt. 25c., 65c. per 3 pkts.



Petunia—Dwarf Large Flowering Fringed

PRIMULA OBCONICA GRANDIFLORA "CRISPA"

An entirely new form of this splendid plant, the edges of each flower being fringed and creased; fully developed flower clusters have, therefore, a more double appearance, and an elegance which cannot readily be duplicated; the flowers are of extra large size; color, from **delicate apple blossom pink to deep pink**. Per pkt. 25c., 65c. per 3 pkts.

NEW SALVIA (Scarlet Sage) MICHELL'S "SCARLET GLOW"

A new variety of great merit; an improvement on the well-known and popular *Zurich*; larger flowers and more free flowering than any other variety; plants of dwarf habit, branch freely, and are **covered with large flowers** of the most **brilliant fiery scarlet**; blooms very early and continues until frost. Per pkt. 25c., 65c. per large pkt.



Salvia—Michell's Scarlet Glow



New Spencer Sweet Peas of Distinctive Merits

"Spencer" Sweet Peas are distinguished by their most exquisite form of flower, waved petals, their wonderful vigor in plant, stem and flower, and their ability to produce, as a rule, four gigantic blooms on one long, stout stem.

CHARM

As the name implies, this novelty is indeed a "charming" variety of delicate and exquisite color. It was awarded a Certificate of Merit by the American Sweet Pea Society in 1911; the flowers are of fair size and most of the strong, stiff stems bear four flowers each. Of the finest Spencer type, they are throughout a glistening, pure snow-white, suffused equally through standard and wings with delicate flesh or blush pink. It comes very true and is a most beautiful variety for bunching.

Original pkts. (20 seeds) 15c., 25c. per 2 pkts.
Original pkts. (40 seeds) 25c., 65c. per 3 pkts.

VERMILION BRILLIANT

This new variety produces on stout stems 12 to 15 inches in length, 3 and 4 artistically placed flowers; when well grown unlike other scarlet Spencers, the stems frequently produce fours. The flowers are perfect in form; the bold erect standard is well waved and fluted in true Spencer style, of large size; the wings are of the same intense pure scarlet as the standard, making a uniform self-color throughout and absolutely sunproof. Per pkt. 15c., 25c. per 2 pkts., per oz. \$2.00.

DUPLEX SPENCER

This new variety produces uniformly large, waved flowers of true Spencer type. In color both the standard and wings are a rich cream-pink, and practically all the plants give flowers with double or triple standards. On the sprays of four blooms each (of which there is a great number) the two lower flowers are double, while sometimes three of the flowers are double. The three-bloom sprays give the one or two lower flowers with twin or triple standards. Even those which have only a single standard are magnificent, uniformly waved and crimped in both standard and wings. Per pkt. 15c., 25c. per 2 pkts., per oz. \$1.00.

IRISH BELLE, OR "DREAM"

A superbly beautiful variety that shows quite a new shade in Sweet Peas. The coloring is uniform in both standard and wings,—a lovely rich lilac, flushed with pink, which gives a very distinct and soft tone throughout the entire flower. Of finest Spencer type, waved in both standard and wings, the flowers are of large size and produced on long stems. Per pkt. 15c., 25c. per 2 pkts., per oz. \$1.00.

FLORENCE NIGHTINGALE

This is one of the largest and best lavender Spencers yet introduced; the standard is unusually large, waved, yet standing erect and broad, frequently measuring two inches across. The color is a soft clear rich lavender, which is enlivened by a faint sheen of rose pink. Stems 12 to 16 inches in length and a large proportion bear four flowers. Per pkt. 10c., 50c. per oz.

ETHEL ROOSEVELT

This is a true waved variety of the largest and most perfect Spencer type. The color is a soft primrose, or straw color, overlaid with dainty flakes and splashes of blush crimson. Per pkt. 10c., 30c. per oz.

SPECIAL OFFER.

One packet each of the 5 varieties New Spencer Sweet Peas on this page for 65c.

New Spencer Sweet Pea, "Vermilion Brilliant"

NEW ANNUAL RED SUNFLOWER

(*Helianthus Cucumerifolius Purpureus*)

Of miniature type the plants of this novelty present a most striking appearance on account of the unusual color of the flower. The bushes which branch very freely are literally covered all summer with flowers measuring 2½ to 3 inches in diameter and glorying in a series of shades from pink to purple, often forming a circle on yellow ground around the dark disk; even the form of the petals vary, some are straight, others twisted and others curled. Per pkt. 25c., 65c. for 3 pkts.

LARGE FLOWERING WINTER STOCK

"WHITE LADY"

A new variety growing about 20 inches high, with remarkably handsome foliage; the plants throw up a massive central spike and branching freely in candelabra fashion, finally assume the shape of a pyramidal bouquet; flowers strikingly large, very double and of a lustrous snowy white; blooms early and remains long in flower. Per pkt. 25c., 65c. per 3 pkts.





Verbena—New Giant Flowered

NEW GIANT FLOWERED VERBENAS IN DISTINCTLY NEW COLORS

Verbenas are among the most useful of garden plants; they are of easiest possible culture and once they begin to bloom, which is very early, they never cease to bloom until the most severe frost kills them. The novelty we offer herewith is not only distinguished by its giant blooms, made attractive through a light-colored centre and an exquisite edge of silvery white, but an entire new range of colors, such as Tyrian Rose, Purple, Garnet, Turkey Red, Geranium Red, Rosy Scarlet, etc. To make Verbenas flower early, start seeds in the house from February till April; it may also be sown outdoor from May onward and will then flower in August and continue till frost. Height, 1 foot.

Mixed Colors. Per pkt. 15c., 65c. per large pkt.

VERBENA—"HELEN WILLMOTT"

After many years of constant selection, seed of this Verbena has at last been saved in sufficient quantity to be offered for sale. A large percentage of the flowers are of the true "Helen Willmott" color, a **pretty bright salmon rose, with white eye.** Per pkt. 35c., \$1.00 per 3 pkts.

Special Offer. One packet each Verbena, Giant Flowering Mixed and Helen Willmott, Viola, G. Wermig and Zinnia, Robusta Mixed for 80c.

NEW GIANT ROBUSTA ZINNIAS

This new form is a wonderful advance in size and shape and gives the plant a most majestic appearance. The plants grow extremely robust to a height of 2½ feet, have stout straight stems dressed with large broad foliage and crowned with **gigantic perfectly double flowers often measuring 5 to 6 inches across;** a revelation to all who are accustomed to the common Zinnia. Splendid for cutting or garden effect.

	Oz.	Large pkt.	Pkt.
Scarlet	\$2.00	\$0.50	\$0.15
White	2.00	.50	.15
Golden Yellow	2.00	.50	.15
Crimson	2.00	.50	.15
Flesh Color	2.00	.50	.15
Purple	2.00	.50	.15
Sulphur Yellow	2.00	.50	.15
Violet	2.00	.50	.15
Mixed .....	.90	.25	.10

Special Offer: One pkt. each of the above 8 separate colors for \$1.00.

NEW GIANT ZINNIA "ISABELLA"

This is of the same habit and large size as the Giant Zinnias described above; color, **delicate buff, shaded yellow.** Per pkt. 20c., 55c. per 3 pkts.

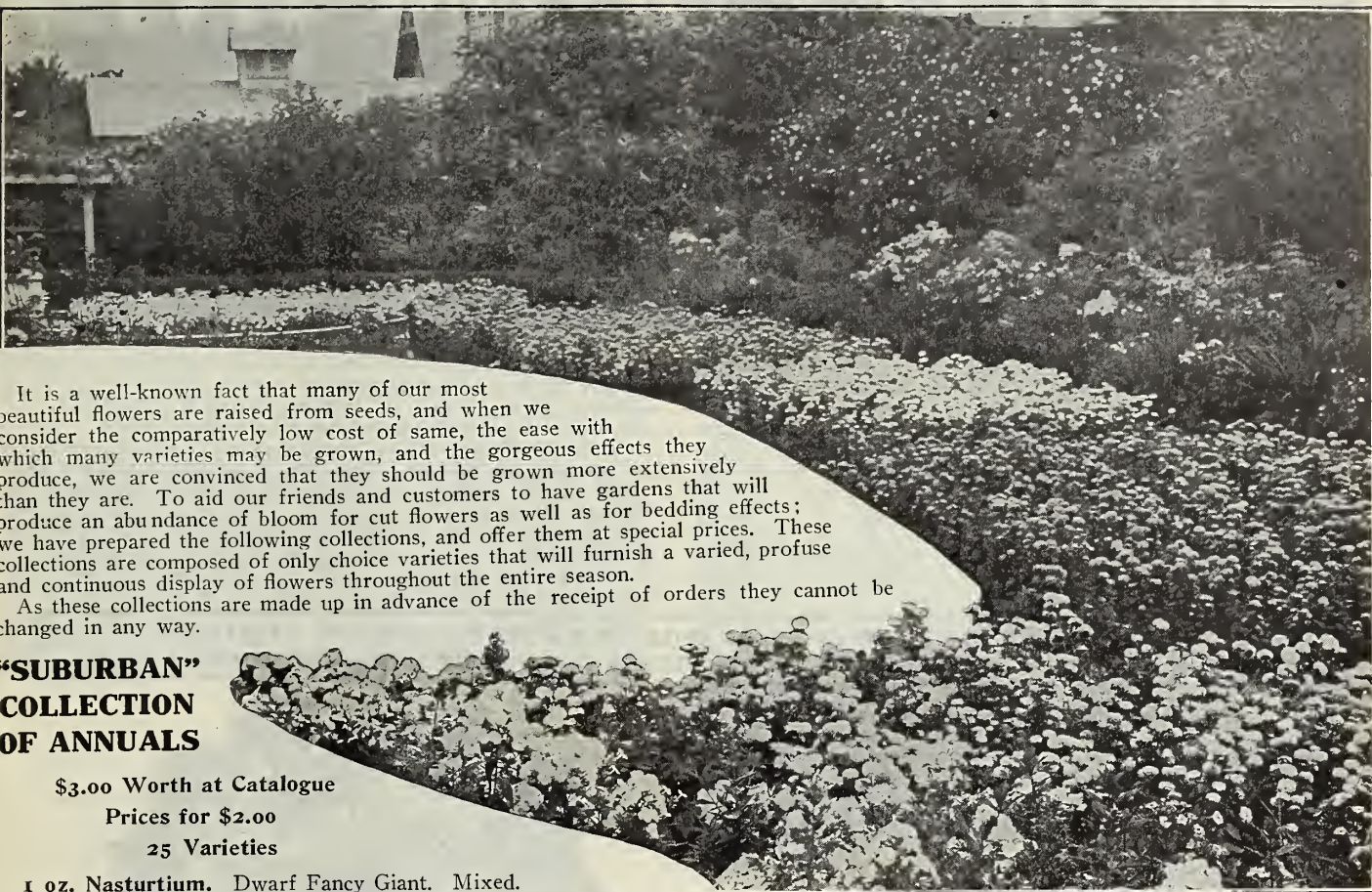
VIOLA CORNUTA—G. WERMIG

A new variety introduced from England, which flowers continuously all summer, and on account of its many good qualities it is one of the most popular both in England and Germany. Unfortunately this variety heretofore produced but very little seed, but through the breeder seeds have now been produced more plentiful; while the flowers have the form of the Viola Cornuta they have the identical color of the Violet, "Princess of Wales"; are borne on long stems in great profusion and can be used as a substitute for Violets. Pkt. 20c., 55c. per 3 pkts.



Viola Cornuta

MICHELL'S SPECIAL ASSORTMENTS OF FLOWER SEEDS



It is a well-known fact that many of our most beautiful flowers are raised from seeds, and when we consider the comparatively low cost of same, the ease with which many varieties may be grown, and the gorgeous effects they produce, we are convinced that they should be grown more extensively than they are. To aid our friends and customers to have gardens that will produce an abundance of bloom for cut flowers as well as for bedding effects; we have prepared the following collections, and offer them at special prices. These collections are composed of only choice varieties that will furnish a varied, profuse and continuous display of flowers throughout the entire season.

As these collections are made up in advance of the receipt of orders they cannot be changed in any way.

"SUBURBAN" COLLECTION OF ANNUALS

\$3.00 Worth at Catalogue

Prices for \$2.00

25 Varieties

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.
- 1 oz. Nasturtium. Tall Fancy Giant. Mixed.
- 1/4 lb. Sweet Peas. Spencer Varieties. Mixed.
- 1 oz. Mixed or Wild Flower Garden Seeds.

And one packet each of the following:

- | | |
|---|---------------------------------------|
| Ageratum. Blue Perfection. | Marigold. Pride of the Garden. |
| Alyssum. Little Gem. | Mignonette. Machet. |
| Aster. Invincible. Mixed. | Pansy. Giant Trimardeau. Mixed. |
| Balsam. Camellia Flowered. | Petunia. Choicest Mixed. |
| Calliopsis. Golden Wave. | Phlox Drummondii. Grandiflora. Mixed. |
| Candytuft. Giant White. | Poppy. Burbank's Shirley. |
| Celosia. Thompsoni Magnifica. | Portulaca. Double Mixed. |
| Centaurea. Emperor William. | Sunflower. Cut-and-Come-Again. |
| Cosmos. Giant Fancy Mixed. | Zinnia. Giant Robusta. Mixed. |
| Dianthus. Double Fringed Mixed. | |
| Eschscholtzia. Golden West. | |
| Larkspur. Giant Hyacinth Flowered. Mixed. | |

"QUAKER CITY" COLLECTION OF ANNUALS

\$1.50 Worth at Catalogue Prices for \$1.00

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.
- 1 oz. Nasturtium. Tall Fancy Giant. Mixed.
- 1 oz. Sweet Peas. Magnificent. Mixed.

And one packet each of the following:

- | | |
|---------------------------------------|---------------------------------------|
| Ageratum. Blue Perfection. | Mignonette. Sweet Scented. |
| Alyssum. Little Gem. | Petunia. Choice Mixed. |
| Aster. Improved Branching. | Phlox Drummondii. Grandiflora. Mixed. |
| Centaurea. Emperor William. | Poppy. Carnation Flowered. Mixed. |
| Cosmos. Giant Mixed. | Portulaca. Double Mixed. |
| Larkspur. Tall Stock Flowered. Mixed. | Zinnia. Giant Robusta. Mixed. |
| Marigold. Large African. | |

For Imported Collections of Flower Seeds see page 66.

Effects like the above can be produced by sowing seeds contained in our Collections

"POPULAR" SEED POCKET OF ANNUALS

75c. Worth at Catalogue Prices for 50c.

One packet each of the following:

- | | |
|----------------------------|------------------------------|
| Alyssum. Sweet. | Petunia. Fine Mixed. |
| Aster. Improved Branching. | Phlox Drummondii. |
| Cosmos. Giant Mixed. | Poppy. Paeony Flowered. |
| Marigold. Dwarf French. | Portulaca. Single Mixed. |
| Mignonette. Sweet Scented. | Sweet Pea. Gilt Edge. Mixed. |
| Nasturtium. Dwarf Mixed. | Zinnia. Tall Double Mixed. |
| Nasturtium. Tall Mixed. | Mixed or Wild Flower Garden. |
| Pansy. Very Fine Mixed. | |

COLLECTION OF HARDY PERENNIALS

\$1.60 Worth at Catalogue Prices for \$1.25

One packet each of the following:

- | | |
|-------------------------------------|-----------------------------------|
| Aquilegia. Single Mixed. | Heuchera. Sanguinea. |
| Calliopsis. Lanceolata Grandiflora. | Hollyhock. Chater's Double Mixed. |
| Campanula. Pyramidalis. Mixed. | Lobelia. Cardinalis. |
| Delphinium. Formosum. | Phlox. Decussata. Mixed. |
| Dianthus. Clove Scented. | Poppy. Orientale. |
| Digitalis. Gloxiniaeflora. Mixed. | Pyrethrum. Single, Mixed. |
| Gaillardia. Grandiflora Superba. | Scabiosa. Caucasica. |
| Gypsophila. Paniculata. | Stokesia. Cyanea. |
| | Sweet William. Double, Mixed. |
| | Mixture of Perennial Flowers. |

Collections of Asters, Dianthus, Phlox, etc., will be found under their respective heads.

MICHELL'S "DISTINCTIVE"

FRESH TESTED

FLOWER SEEDS

Our flowerseeds have a reputation for their *superior quality* and for the *excellent results* obtained by sowing them. It is our constant endeavor to supply only such *varieties and strains* that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., and may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxgloves, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

**A COMPLETE INDEX FOR FLOWER SEEDS WILL BE FOUND IN FRONT OF CATALOGUE
FOR NOVELTIES, SEE PAGES 56 TO 62. PLEASE USE NUMBERS WHEN ORDERING**

ABUTILON (Chinese Bell Flower)

- | | Large Pkt. | Pkt. |
|--|------------|--------|
| 15 Choice Mixed. Used extensively for ornamental bedding, also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet | \$0.40 | \$0.10 |

ACHILLEA (Milfoil or Yarrow)

- | | | |
|--|-----|-----|
| 20 Ptarmica, Fl. Pl., "The Pearl." Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; 2 feet.. | .30 | .10 |
|--|-----|-----|

ACONITUM (Monk's Hood or Helmet Flower)

Hardy perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; height, 4 feet; Aug.-Sept.

- | | Large pkt. | Pkt. |
|-------------------------|------------|--------|
| 25 Napellus, Blue | \$0.25 | \$0.05 |
| 27 " White | .40 | .05 |

ACROCLINIUM (Everlasting Flower)

The flowers should be picked before they expand and hung with the tops downward to dry; annual; 1 foot. Large pkt. Pkt.

- | | | |
|-----------------------|--------|--------|
| 33 Single Mixed | \$0.15 | \$0.05 |
| 34 Double Mixed | .15 | .05 |

ADLUMIA (Mountain Fringe or Allegheny Vine)

- | | | |
|--|-----|-----|
| 37 Cirrhosa. A charming hardy biennial climber, blooming the first season; delicate, feathery foliage, rose-colored flowers; 15 feet | .25 | .10 |
|--|-----|-----|

ADONIS

- | | | |
|---|-----|-----|
| 40 Aestivalis (Flos Adonis or Pheasant's Eye). Hardy annual; pretty fine cut foliage and dark crimson flowers; height, 1 foot | .15 | .05 |
| 42 Vernalis (Ox Eye). One of the choicest spring flowering perennial plants; finely cut, ornamental foliage, yellow flowers; 1 foot | .15 | .05 |

AGROSTEMMA

- | | | |
|---|-----|-----|
| 66 Coronaria (Mullein Pink). Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August | .15 | .05 |
|---|-----|-----|



Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

- | | Large pkt. | Pkt. |
|--|------------|--------|
| 50 Blue Perfection. Large heads of deep blue flowers produced in abundance; 15 inches..... | \$0.20 | \$0.10 |
| 61 Little Blue Star. Exceedingly dwarf and pretty; plants densely covered with bright blue flowers; height, 5 inches | .50 | .15 |
| 54 Imperial Dwarf Blue. A compact growing plant; height, 9 inches | .15 | .05 |
| 56 Imperial Dwarf White | .15 | .05 |
| 58 Imperial Dwarf Mixed | .15 | .05 |
| 52 Cope's Pet. Azure blue, 6 inches | .20 | .10 |
| 62 Princess Victoria Louise. Light blue, white eye | .20 | .10 |
| 60 Grandiflorum Album. Extreme large flowers of purest white; height, 1 foot | .15 | .10 |

You will find some valuable Novelties offered on pages 56 to 62.



Alyssum

ALYSSUM

One of the most popular garden flowers; remaining in bloom the entire season; used for edging or in rockeries or vases.

- 71 **Little Gem.** Dwarf compact plants, densely covered with large pure white flowers; height, 4 inches; oz. 50c. .15 .05
- 74 **Little Dorritt.** Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges; oz. 75c. .20 .05
- 73 **Sweet.** The popular old-fashioned sort, the best for broad edges and vases. Pure white; height, 6 inches; oz. 25c. .15 .05
- 72 **Saxatile Compactum (Basket of Gold).** An ideal hardy perennial plant for the spring garden, flowering in May; silvery foliage with showy golden yellow flowers; blooms the first season if sown early indoors; 1 foot. .15 .05

AMARANTHUS

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May.

- 80 **Caudatus (Love Lies Bleeding).** Drooping crimson racemes .15 .05
- 86 **Sunrise.** Bronzy crimson foliage shading off to bright scarlet leaves toward top of stalks. .30 .10
- 88 **Tricolor Splendens (Joseph's Coat).** Leaves red, yellow and green .20 .05
- 90 **Mixed.** All sorts .15 .05

AMPELOPSIS (Boston or Japanese Ivy)

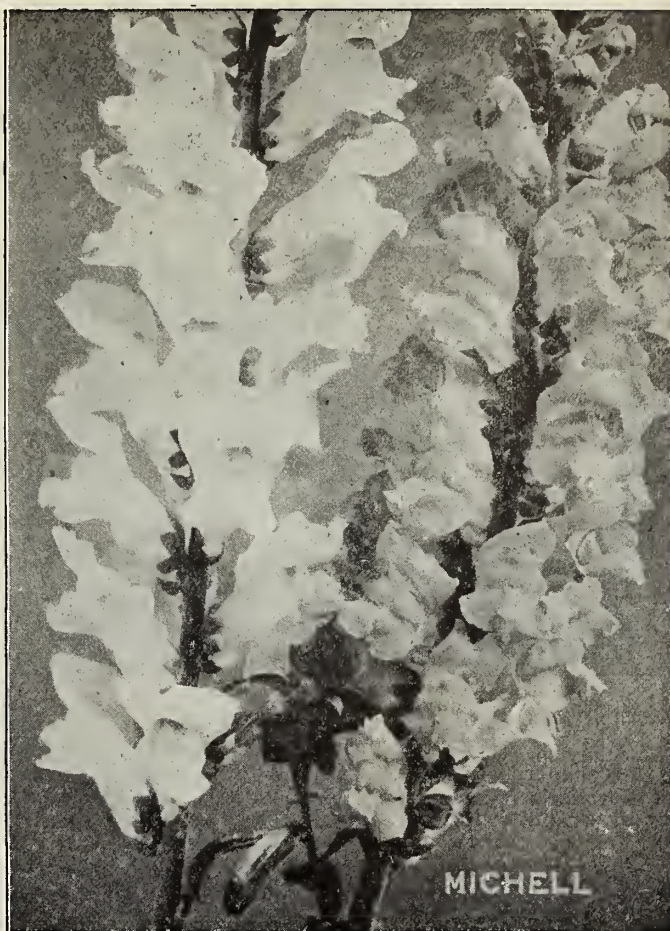
- 100 **Veitchii.** A hardy perennial climber from Japan, with olive-green leaves, which turn to scarlet in the autumn; one of the best hardy vines for covering brick or stone buildings; oz. 40c. .15 .10

ANCHUSA (Sea Bugloss)

- 102 **Italica "Dropmore."** A strong growing hardy perennial plant, 4 feet high, with rough hairy foliage and long heads of bright blue flowers. .40 .15

ANTHEMIS (Hardy Marguerite)

- 108 **Tinctoria Kelwayi.** A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; 2 feet .15 .10



Giant Snapdragon (Antirrhinum)

ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors from February till May, but even if sown outdoors in May it will flower profusely in September. If properly protected during the winter they will revive and throw up gigantic spikes of flowers during the summer.

MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, dressed with giant flowers of the purest colors.

- | | Large pkt. | Pkt. |
|--|------------|---------|
| 113 Giant Pink | \$0.25 | \$0.10 |
| 114 " Scarlet | .25 | .10 |
| 121 " Striped | .25 | .10 |
| 115 " White | .25 | .10 |
| 116 " Yellow | .25 | .10 |
| 117 " Mixed. All colors | .20 | .10 |
| 125 " Double White (New) | .50 | .20 |
| 126 " Venus (New). Shell pink on white ground | .40 | .20 |
| 122 Tall Mixed. A fine selection | oz. 40c. | .15 .05 |
| 124 Imported Collection, 10 Tall Varieties. | | .40 |

SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 inches high, but have extreme large flowers over most part of the stem.

- | | Large pkt. | Pkt. |
|---|------------|--------|
| 111 Daphne. Carmine pink, white throat | \$0.40 | \$0.10 |
| 110 Firefly. Bright scarlet | .20 | .10 |
| 119 Golden Queen. Golden yellow, giant flowers.... | .20 | .10 |
| 120 Queen of the North. Of purest white | .20 | .10 |

DWARF ANTIRRHINUMS

Grow but 12 inches high; suitable for edges in the garden.

- | | | |
|--|-----|-----|
| 118 Golden Sun. Foliage yellow, flowers rosy white with crimson spots | .40 | .15 |
| 112 Dwarf Mixed. All colors | .20 | .05 |
| 123 Imported Collection, 10 Dwarf Varieties. | | .40 |



Anemone, St. Brigid

ANEMONE (Wind Flower)

A dainty spring flower with bright cup-shaped blossoms splendid for cutting; perennial.

	Large pkt.	Pkt.
105 Coronaria Mixed. 2 feet; all colors	\$0.20	\$0.05
107 St. Brigid, or Poppy. Flowers of large size with distinct rainbow rings in centre .....	.40	.15



Arctotis Grandis

ARCTOTIS (African Daisy)

	Large pkt.	Pkt.
150 Grandis. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet	\$0.20	\$0.10

ARUNDO, Ornamental Grass. (See page 79)



Aquilegia-Long Spurred

AQUILEGIAS OR COLUMBINES

An elegant, graceful, beautiful spring flowering plant, producing exquisitely spurred flowers on stems rising 2 feet above the fern-like foliage; splendid for cutting.

	Large pkt.	Pkt.
139 Long Spurred Hybrids. A great assortment of all varieties possessing long spurs	\$0.40	\$0.10
129 Canadensis. Scarlet and yellow .....	.25	.05
130 Chrysantha. Bright golden yellow .....	.25	.10
131 " Alba. Purest white .....	.30	.10
128 Californica Hybrida. All colors, long spurs....	.25	.10
132 Coerulea (Rocky Mountain Columbine). Large flowers, violet blue and white .....	.40	.10
136 Glandulosa. Lavender and white .....	.40	.15
133 Haylodgensis Delicatissima. Satiny rose .....	.50	.20
137 Nivea Grandiflora. Pure white .....	.15	.05
138 Rose Queen. Pink, white centre .....	.50	.20
134 Single Mixed	oz. 35c.	.15
135 Double Mixed	oz. 35c.	.15

ARABIS (Rock Cress)

144 Alpina. Early spring Flowering plant especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial; May; 6 inches15	.05
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ASPARAGUS

	100 Seeds	Pkt.
160 Plumosus Nanus. An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut	\$1.00	\$0.25
162 Sprengeri. One of the best plants to grow in hanging baskets, for greenhouse or for outdoors in the summer .....	.50	.10

ASPERULA (Woodruff)

	Large pkt.	Pkt.
165 Odorata. Dwarf spring flowers of purest white, thrives in shady situations; perennial; 1 foot; May .....	.15	.05

COLLECTIONS OF FLOWER SEEDS

Collection of Annuals. Containing 8 distinct sorts.....	\$0.35
Collection of Annuals. " 12 distinct sorts.....	.50
Collection of Annuals. " 18 distinct sorts.....	.75
Collection of Annuals. " 24 distinct sorts.....	1.00
Collection of Perennials. " 12 distinct sorts.....	.40
Collection of Perennials. " 25 distinct sorts.....	.75

MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equalled by any other. For these obvious reasons we give, perhaps, more attention to these flowers than any other and are in position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country, others are imported from most reliable sources. To have early flowers sow the seed in the house from March till May; otherwise sow outdoors after danger from frost has passed.

ASTERS

To do well, require a well pulverized soil, always kept open by continuous cultivation. If soil is heavy and mostly composed of clay, it is well to mix sand with it.

NEW CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge flat chrysanthemum. The flowers are the largest of any Aster we know of; often measure 5 inches in diameter. The strong erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

199	White, oz.	Large Pkt.	Pkt.
	\$2.50	.....	\$0.50 \$0.15
198	Shell Pink, oz.		
	\$2.50	.....	.50 .15
202	Rose Pink, oz.		
	\$2.50	.....	.50 .15
200	Lavender, oz.		
	\$2.50	.....	.50 .15
201	Purple, oz.		
	\$2.50	.....	.50 .15
203	Mixed, oz.		
	\$2.50	.....	.50 .15

269 NEW ASTER MICHELL'S "PINK SUPERB"

A new and valuable variety of Aster; the flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful light, or shell pink. One of the features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt. 25c., 65c. per large pkt., per 1/4 oz. \$2.00; \$7.50 per oz.



New Crego Aster

251 NEW ASTER, LADY ROOSEVELT

We can truthfully claim that this is one of the finest Asters. The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems invariably 40 inches long, crowned with gigantic flowers. The seed we offer is selected from original specimens and then re-cleaned; so it must give absolute satisfaction. Large pkt., 65c.; pkg., 25c.

EARLY WONDER ASTER

Indeed the earliest of all Asters. The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches.

	Oz.	Large Pkt.	Pkt.
228	White	.....	\$3.00 \$0.50 \$0.10
227	Pink	.....	3.00 .50 .10

For the New "ASTERMUM" see Novelty Pages



Aster—Michell's Improved Semple's Branching

MICHELL'S IMPROVED SEMPLÉ'S BRANCHING ASTER

This is the finest late Aster we can recommend. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. The colors are superb and can be used to advantage as a cut flower. What we offer is not the aster which is usually known by that name, but something much superior, as we are extremely critical in the selection of specimens for seedling. During the past season we have received numerous testimonials on the strength of the quality of this aster.

	Oz.	Large Pkt.	Pkt.
262 White	\$1.50	\$0.40	\$0.10
259 Shell Pink	1.50	.40	.10
257 Lavender	1.50	.40	.10
258 Rose Pink	1.50	.40	.10
260 Purple	1.50	.40	.10
261 Crimson	1.50	.40	.10
263 Choice Mixed	1.50	.40	.10
264 Our Collection (one packet each of above 6 colors)....			.50

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth; produce, on 2 foot long stems, massive pæony-formed flowers, which are always perfectly double. They begin to flower quite early in summer and remain perfect until checked by frost.

	Oz.	Large Pkt.	Pkt.
239 White	\$2.25	\$0.40	\$0.10
238 Rose Pink	2.25	.40	.10
237 Lavender	2.25	.40	.10
235 Blue	2.25	.40	.10
236 Crimson	2.25	.40	.10
239a. Mixed. All colors	2.25	.40	.10
248 Our Collection (one packet each of above 5 colors)...			.40

QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12-inch stems in the greatest profusion early in July.

	Oz.	Large Pkt.	Pkt.
279 White	\$1.00	\$0.25	\$0.10
277 Blush Pink	1.00	.25	.10
274 Rose Pink	1.00	.25	.10
276 Light Blue	1.00	.25	.10
275 Dark Blue	1.00	.25	.10
278 Crimson	1.00	.25	.10
280 Choice Mixed	1.00	.25	.10
273 Our Collection (one packet each of above 6 colors) .....			.50
281 Imported Collection of 8 Colors .....			.60

PAEONY-FLOWERED PRIZE ASTER (Truffaut's)

Perfectly shaped flowers, each petal regularly incurved to meet at the centre, carried straight on stems 18 inches high.

	Oz.	Large Pkt.	Pkt.
304 White	\$2.25	\$0.40	\$0.10
302 Pink	2.25	.40	.10
301 Light Blue	2.25	.40	.10
303 Purple Violet	2.25	.40	.10
300 Crimson	2.25	.40	.10
305 Choicest Mixed	2.00	.40	.10
307 Our Collection (one pkt. each of above 5 colors) .....			.40
306 Imported Collection of 12 Colors .....			.75

GIANT COMET ASTER

A flower of exquisite form, similar to the Hohenzollern and resembling Japanese Chrysanthemums; petals are curled downward at the tips and resemble ostrich feathers.

	Oz.	Large Pkt.	Pkt.
194 White	\$2.00	\$0.40	\$0.10
192 Peach Blossom	2.00	.40	.10
193 Pink and White	2.00	.40	.10
190 Light Blue	2.00	.40	.10
189 Dark Blue	2.00	.40	.10
191 Crimson	2.00	.40	.10
195 Choice Mixed	2.00	.40	.10
197 Our Collection (one pkt. each of above 6 colors) .....			.50
196 Imported Collection of 12 Colors .....			.75

FIRST PRIZE FOR MICHELL'S ASTERS

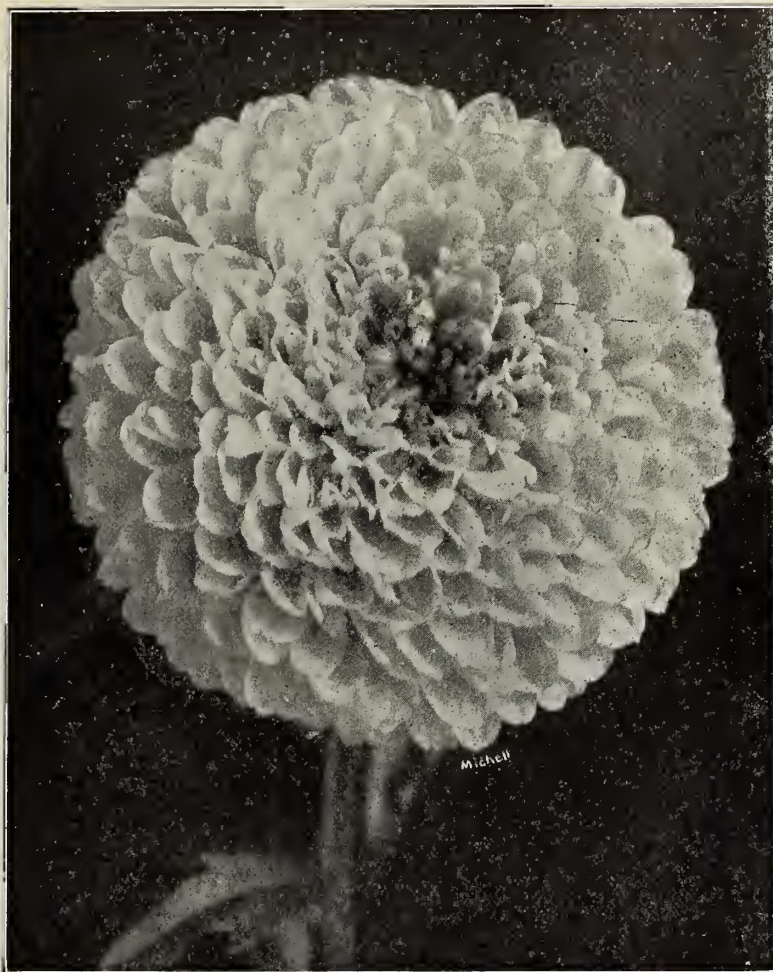
MR. HENRY F. MICHELL, Perkasié, Pa., Sept. 26, 1912.
Dear Sir:—Last Spring I purchased some Aster seed from you, which were the best I ever saw; the flowers were large and plenty of them. We were asked to send some of them to the Bucks County Fair. They were arranged in a large bouquet and were awarded First Prize for the best display of Asters. Every flower in the bunch was raised from Michell's seed; they are good enough for me.

Respectfully yours,

W. JOHN BARKEL.



Aster—Invincible



Aster—Daybreak

**FIVE VALUABLE ASTERS OF THE
"DAYBREAK" TYPE**

The Daybreak class forms strong plants of symmetrical growth; flowers large, perfectly double and carried on long, erect stems, seldom less than 18 inches in length.

- | | | | | |
|-----|--|--------|------------|--------|
| 270 | Michell's Purity (White Daybreak). | Oz. | Large pkt. | Pkt. |
| | Very free flowering; plants are literally one mass of snow white flowers..... | \$3.00 | \$0.40 | \$0.10 |
| 205 | Pink Daybreak. Flowers large, double and of a delicate pink | 3.00 | .40 | .10 |
| 250 | Lavender Daybreak. Large flowers of a beautiful shade of lavender | 3.00 | .50 | .15 |
| 253 | Lemon Drop (Yellow Daybreak). Flowers perfect and symmetrical in form, and of a decided yellow color | 3.00 | .50 | .15 |
| 284 | Salmon King (Salmon Daybreak). A splendid addition to the Daybreak class; the color is not only novel, but of a very pleasing shade | 3.00 | .50 | .15 |

NOTE—One packet each of the above five varieties of Asters for 50c.

IMPROVED VICTORIA ASTER

A compact upright growing plant with stout stems and deep, full flowers of large size; height, 18 inches.

- | | | | | |
|-----|---|--------|------------|--------|
| | | Oz | Large pkt. | Pkt. |
| 324 | White | \$2.50 | \$0.40 | \$0.10 |
| 321 | Pink | 2.50 | .40 | .10 |
| 320 | Light Blue | 2.50 | .40 | .10 |
| 322 | Purple | 2.50 | .40 | .10 |
| 323 | Scarlet | 2.50 | .40 | .10 |
| 325 | Choice Mixed | 2.50 | .40 | .10 |
| 319 | Our Collection (one packet each of above 5 colors).... | | .40 | |
| 326 | Imported Collection of 8 Colors | | .60 | |

ASTERS—Miscellaneous Sorts

- | | | | | |
|-----|---|--------|--------|--------|
| 229 | Electric. A new variety, growing about 18 inches high; long wiry stems; flowers large; petals long, thread-like and quilled; color, snowy white | \$3.00 | \$0.50 | \$0.15 |
| 252 | Lavender Gem. A beautiful variety of the Comet type, with large, perfectly double flowers of a delicate shade of lavender; 2 feet | 2.50 | .50 | .15 |
| 268 | Pink Beauty. An excellent variety of the chrysanthemum flowered type; strong, upright growth producing an abundance of immense, double flowers; inner petals incurved; outer, reflexed; Color, a soft, delicate blush pink | 3.00 | .50 | .15 |
| 282 | Rose King. Habit of growth similar to the Branching Aster. In form the flower is distinct; petals resemble the quilled varieties, but are larger and broader, those in the centre being curled and incurved | 2.50 | .50 | .15 |
| 316 | Violet King. Of the same habit of growth and form of flower as above; color, soft violet lilac | 2.00 | .50 | .10 |
| 299 | Royal Purple. A splendid variety of dwarf growth; flowers large; petals flat and incurved; color, a rich shade of purple..... | 2.25 | .40 | .10 |
| 308 | Vick's Mikado Pink. Plants of branching habit, and producing flowers of immense size, with long, narrow, gracefully reflexed petals. A single plant usually has from 12 to 15 long stems. Color, shell pink | 3.00 | .50 | .15 |
| 180 | China or German Mixed. This mixture contains many different sorts and colors | .60 | .20 | .05 |

PERENNIAL ASTER (Michaelmas Daisy)

- | | | | |
|-----|---|--------|--------|
| 328 | Choice Mixed. One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season; 2 feet | \$0.30 | \$0.10 |
|-----|---|--------|--------|



Violet King Aster

AURICULA (*Primula Auricula*) Large pkt. Pkt.

410 **Choice Mixed.** These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; 1 foot; May..\$0.50 \$0.10

AVENA, Ornamental Grass (See page 79)



Balsam-Camellia Flowered

MICHELL'S "DISTINCTIVE" BALSAM

(*Lady's Slipper*)

These old-fashioned flowers have been much improved, and what we offer is a revelation to those who have never seen them. Give Balsams plenty of room and they will develop to immense plants with gorgeous flowers. They are of easiest possible culture and will surely succeed anywhere; height, 2 feet.

		Oz.	Large pkt.	Pkt.
425	Camellia Flowered, Pink	\$1.00	\$0.25	\$0.05
427	" " Scarlet	1.00	.25	.05
429	" " White Perfection	1.50	.30	.10
426	" " Prince Bismarck.			
	Rich salmon pink.	1.50	.30	.10
431	" " Choicest Mixed	.75	.20	.10
432	Fine Mixed	.50	.15	.05
433	Imported Collection of 6 Colors			.30

BALLOON VINE (*Love-in-a-Puff*)

Oz. Pkt.

420 A rapid growing annual climber, with white blossoms; seed pods look like miniature balloons..\$0.20 \$0.05

BALSAM APPLE
(*Momordica*)

440 Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when ripe opens, showing a brilliant crimson interior. Oz. 30c., pkt. 5c.

BAPTISIA
(*False Indigo*)

442 **Australis.** A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July. Large pkt. 20c., pkt. 5c.

BARTONIA

443 **Aurea.** A free blooming showy plant with large golden yellow flowers; thrives well in partial shade; 18 inches. Large pkt. 15c., pkt. 5c.



Butterfly Runner Bean

BEAN (*Runner*)

A rapid climber, flowering profusely; grows 10 to 15 feet high.

444 **Butterfly Runner.** A new and distinct variety; the flowers are of large size and borne in great profusion; color, pink and white. Oz. 10c., pkt. 5c.

445 **Scarlet.** Pint, 20c., pkt. 5c.

446 **White.** Pint 20c., pkt. 5c.

BEGONIA (*Semperflorens Type*)

The value of flowering Begonias as bedding plants has been fully established and the gorgeous effects they have produced have placed them in the front rank of bedding plants. Seeds sown in February or March under glass will produce nice plants for planting out in June.

Large pkt. Pkt.

471	Vernon. Rich orange carmine flowers and bronzy-red foliage	\$0.30	\$0.10
455	Anna Regina. Rose-colored flowers	.65	.15
459	Erfordia. Delicate pink, one of the choicest.	.40	.15
463	Queen of Carpet Bedder. Of compact dwarf growth and in appearance the same as "Vernon"	.40	.15
473	Zulu King. Blood red flowers and dark red leaves and stem	.65	.15
467	Choice Mixed. All sorts and varieties.	.40	.10

BEGONIA, GRACILIS

This is undoubtedly the finest outdoor flowering Begonia; plants are literally covered with flowers; height, 1 foot.

		Large pkt.	Pkt.
458	Gracilis Rosea. Light pink	\$0.40	\$0.15
457	" Luminosa. Deep red	.50	.20
456	" Alba. Pure white	.40	.15
460	" Prima Donna. Rose, shading to carmine	.65	.20

BEGONIA, REX HYBRIDS

464 Beautifully formed leaves with colored markings; a popular house plant; choice mixed .65 .25

BEGONIA, TUBEROUS ROOTED

These magnificent flowers are becoming very popular because they are of easy culture and are extremely showy; thrive best in semi-shady situations.

Large pkt. Pkt.

461	International Prize, Single. The seed we offer is saved from the finest specimens and only the largest flowers		\$0.25
469	Single Choice Mixed	\$0.65	.15
470	Double Choice Mixed		.25

BELLIS PERENNIS (See Daisy)**BOLTONIA** (False Chamomile)

- 481 **Latisquama.** A tall, late flowering plant with large pkt. Pkt.
aster-like flowers of pinkish lavender; perenn-
ial; 6 feet; September\$0.30 \$0.10

BRACHYCOME (Swan River Daisy)

- 485 **Iberidifolia.** A profuse flowering annual with
small blue flowers resembling those of the
Cineraria; 9 inches20 .05

BRIZA MAXIMA—ORNAMENTAL GRASS (See page 79)**BROMUS—ORNAMENTAL GRASS** (See page 79)**BROWALLIA**

One of our favorite bedding plants, producing beautiful flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if sown in August; 18 inches. Seed may be started in the house from March till May. Lge. pkt. Pkt.

- 500 **Elata Coerulea.** Large sky-blue flowers\$0.20 \$0.05

- 502 **Speciosa Major.** Large-flowering variety of
brilliant ultramarine blue; desirable as a pot
plant for winter and early spring flowering.... .30 .10

**Calendula—Pot Marigold****CALENDULA** (Pot Marigold)

Few annuals are of easier culture; sown in May outdoors they are in bloom within six weeks after sowing and remain in bloom after everything has been killed by frost. They may also be successfully grown in pots indoors.

- | | Oz. | Pkt. |
|--|--------|--------|
| 526 Meteor. Large yellow striped with orange..... | \$0.25 | \$0.05 |
| 527 Orange King. Rich dark orange | .25 | .05 |
| 528 Prince of Orange. Dark orange striped..... | .25 | .05 |
| 525 Grandiflora. Large double yellow | .25 | .05 |
| 529 Sulphurea. Beautiful sulphur yellow | .25 | .05 |
| 530 Mixed | .25 | .05 |

CALCEOLARIA

An ornamental plant, and a universal favorite for decorating the greenhouse or conservatory; produces a mass of beautiful pocket-like flowers. Our strains of Calceolaria have a wide reputation as to large size, rich and varied colors of the flowers.

- 515 **Hybrida Grandiflora, Tall Mixed.** Large flow- Lge. pkt. Pkt.
ering, rich, self-colored flowers saved from a
choice collection; 18 inches\$0.75 \$0.25
- 516 **Hybrida Grandiflora Pumila Compacta.** Of
dwarf, compact robust growth, producing im-
mense trusses of large and varied brilliant self-
colored and spotted flowers; 1 foot75 .25
- 517 **James' Superb Strain.** A robust grower, pro-
ducing very large and beautiful flowers; 18 ins. 1.25 .50
- 519 **Sutton's Perfection.** Choicest mixed90
- 518 **Rugosa Mixed (Shrubby).** Small flowering
varieties for bedding; finest colors; 1 foot 1.25 .50

**Calliopsis****CALLIOPSIS** (Coreopsis)

Free flowering plants beginning very early and continuing until frost. Showy and excellent for cutting. Oz. Pkt.

- 535 **Golden Wave.** Large yellow flowers with dark
brown centres\$0.25 \$0.05
- 536 **Nigra Speciosa.** Rich crimson25 .05
- 537 **Choice Mixed.** All varieties and colors25 .05

PERENNIAL VARIETIES

- 540 **Lanceolata Grandiflora.** Single golden yellow
flowers of graceful form; invaluable for cut-
ting; flowers uninterruptedly the entire summer .50 .10
- 541 **California Sunbeams.** Very large flowers beau- Lge. pkt. Pkt.
tifully formed; shades of yellow and brown....\$0.25 \$0.10



Canterbury Bell

CAMPANULA MEDIA (Canterbury Bell)

These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them.

	Large pkt.	Pkt.
543 Single Blue	\$.05	\$.15
544 " Pink	.15	.05
553 " White	.15	.05
550 " Mixed	.15	.05
551 Double Mixed	.20	.05

CAMPANULA CALYCANTHEMA (Cup and Saucer)

These produce beautiful, large single flowers, resembling a cup and saucer; they require the same treatment as above.

	Large pkt.	Pkt.
545 White	\$.30	\$.10
588 Pink	.30	.10
586 Blue	.30	.10
546 Mixed	.25	.10

CAMPANULAS OR BLUE BELLS

PERENNIAL VARIETIES

These splendid flowers appear in many forms; some creeping, others dwarf and bushy, and others with medium or tall stately spikes; all have dainty bell-shaped flowers in several colors.

538 Carpatia, Blue (<i>Carpathian Hare Bell</i>). Com-Lge. pkt.	Pkt.
pact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July	\$.05 \$0.05
539 Carpatia, White . Same as above	.15 .05
547 Persicifolia Grandiflora, Blue (<i>Peach Bells</i>). Stately spikes, 4 feet tall with immense blue bell-shaped flowers	.30 .15
548 Persicifolia Grandiflora, White . Same as above	.30 .15
549 Pyramidalis (<i>Chimney Bell Flower</i>). Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed	.20 .05

CANARY BIRD FLOWER

555 One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers	oz. 40c.	.15 .05
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Mitchell's Giant White Candytuft

CANDYTUFT (Iberis)

Splendid edging plants, flowering within six weeks after sowing; height, 1 foot. They are excellent for cutting.

561 Mitchell's Giant White . The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; Large pkt. fine for forcing	oz. 60c.	\$.20 \$0.10
562 Empress . Large sprays of white flowers with flattened heads; a popular florist kind; oz.	40c.	.15 .10
566 Pink	oz. 40c.	.15 .05
560 Crimson	oz. 30c.	.15 .05
559 Carmine . Deep scarlet	oz. 40c.	.15 .05
568 Purple . Deep rich purple	oz. 30c.	.15 .05
574 White Rocket . Long spikes	oz. 25c.	.05
564 Little Prince . Very dwarf and compact with pure white flowers; excellent for edging; oz.	50c.	.15 .10
576 Choice Mixed . All colors	oz. 20c.	.05
578 Imported Collection, 6 Colors		.25
570 Sempervirens . Dwarf spring flowering perennial plants; ideal for the bulb border, flowers of glistening white, May, 8 inches		.30 .10

CANNA (Indian Shot)

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape extreme edge of seed with a sharp filing iron and put seeds in wet moss over slight heat. Just as soon as they start they ought to be potted.

	Oz.	Pkt.
597 Choice Mixed	\$.25	\$0.05



Carnation—Marguerite

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer. Start in the house from January till April, but do not set outdoors until danger from frost is past.

600 Early Vienna. Large double flowers in	Large pkt.	Pkt.
choicest mixture; 1 foot	\$0.30	\$0.10
602 Finest German. Double mixed; selected strain. .65		.25
610 Choice Mixed Double. All sorts .....	.50	.10

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks; and will bloom in four months after sowing the seed. The flowers are large, always perfect, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom during that whole season.

604 Excelsior Mixed. Immense flowers in all the	Large Pkt.	Pkt.
beautiful shades	\$0.40	\$0.15
605 Pink .....	.40	.10
606 White .....	.40	.10
607 Scarlet .....	.40	.10
608 Yellow .....	.50	.10
609 Choice Mixed	oz. \$1.00	.25 .10

CASTOR OIL BEAN See Ricinus

CELOSIA CRISTATA (Crested Cockscomb)

Very desirable for garden effects or edging; easily grown; produces large, brilliant comb-like heads.

630 Aurea. Yellow	\$0.30	\$0.10
617 Giant Empress. Giant heads of rich crimson...	.30	.10
619 Glasgow Prize .....	.25	.10
625 Sutton's Prize. Very dwarf, bright scarlet comb		.35
631 Choice Mixed	oz. 75c.	.20 .05

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting.

622 Pride of Castle Gould. Large flower heads of	Large pkt.	Pkt.
many colors, in mixture	\$0.40	\$0.15
624 Scarlet .....	.15	.10
620 Golden Plume. Bright golden plume .....	.15	.10
623 Spicata. Of pyramid growth; flowers pink		
shading to silvery white; 3 feet .....	.25	.10
626 Thompsoni Magnifica. An improved strain with		
magnificent shades .....	.25	.10
626 Thompson's Superb. A strain with bronze colored		
foliage and graceful feathery plumes of		
brilliant crimson; 2 feet .....	.20	.10
633 Choice Mixed. All colors	oz. 50c.	.15 .05



Centaurea Cyanus (Corn Flower)

CENTAUREA

CENTAUREA CYANUS (Cornflower or Bachelor's Button)

	Oz.	Pkt.
638 Emperor William. Deep blue	\$0.25	\$0.05
644 Double Blue. Very large..... (Large pkt. 20c.)		.10
639 Pink .....	.25	.05
640 White .....	.25	.05
641 Choice Mixed .....	.25	.05
642 Double Mixed .....	.25	.05

CENTAUREA IMPERIALIS (Giant Cornflower)

Gigantic, beautiful, sweet-scented flowers are borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height of plant, 2 to 3 feet.

	Oz.	Large pkt.	Pkt.
645 Deep Rose	\$0.75	\$0.20	\$0.10
646 Lavender .....	.75	.20	.10
647 Lilac .....	.75	.20	.10
648 Brilliant Pink .....	.75	.20	.10
649 Purple .....	.75	.20	.10
650 White .....	.75	.20	.10
651 Choice Mixed .....	.60	.20	.10
653 Our Collection (one packet each of above 6 varieties) ..			.50

WHITE LEAVED CENTAUREA (Dusty Miller)

	500 Seeds	Pkt.
Grown for their silvery foliage as edging plants.		
636 Gymnocarpa. Fine cut silvery gray foliage....	\$0.20	\$0.10
635 Candidissima. Broad cut leaves of silvery gray	.30	.10

VARIOUS CENTAUREAS

	Large pkt.	Pkt.
654 Margaritae (Giant White Sweet Sultan). Large		
white flowers; fragrant; 18 inches	\$0.25	\$0.10
656 Suaveolens. Bright yellow, fragrant blossoms..	.15	.05
658 Pulcherrimus. Perennial; delicate pink 2½ ft.		.25
655 Montana. Blue; perennial; 18 inches .....	.30	.10
657 " Alba. White .....	.30	.10

**CENTROSEMA (Butterfly Pea)** Lge. pkt. Pkt.

- 660 **Grandiflora.** Bears profusely inverted pea-shaped flowers, from rosy violet to purple with a broad white marking through the centre.....\$0.25 \$0.10

CERASTIUM (Snow in Summer)

- 662 **Tomentosum.** Dwarf, white-leaved edging plant; flowers white; 4 inches40 .15

CHRYSANTHEMUM—ANNUAL VARIETIES.

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.

- 669 **Helios.** Extra large pure golden yellow flowers Lge. pkt. Pkt.
often measuring 4 inches across; height, 2 feet.\$0.15 \$0.10
680 **White Star.** Purest white20 .10
670 **Inodorum, "Snowball."** Large double flowers of finest white and good form; splendid for cutting; 1 foot20 .10
677 **Segetum Grandiflorum.** Bright golden yellow flowers15 .05
681 **Single Mixed**oz. 30c. .15 .05
683 **Double Mixed**oz. 40c. .15 .05

CHRYSANTHEMUM—PERENNIAL VARIETIES

- 666 **Comtesse de Chambord (Golden Paris Daisy)** Lge. Pkt. Pkt.
Single, beautiful clear yellow flowers\$0.20 \$0.10
667 **Frutescens Grandiflorum (Paris Daisy or Marguerite).** Single flowers, white with yellow eye20 .10
671 **Shasta Daisy, "Alaska."** The finest of all; single white flowers on long stems; 2 feet.... .65 .20
673 **King Edward VII.** Flowers extra large; pure white25 .10
675 **Princess Henry.** Immense white flowers, 4 inches across; 18 inches25 .10
685 **Japanese Hybrids.** Large flowers of the finest types; an extra choice mixture; seed sown in spring will produce flowering plants by fall; 18 inches65 .15

CINERARIA*Grandiflora Prize Cineraria*

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. *Our Grandiflora Prize Strain* is the best procurable, producing immense trusses of the largest flowers, often measuring up to 4 inches across. Has been awarded numerous first prizes.

- | | Large Pkt. | Pkt. |
|---|------------|--------|
| 691 Grandiflora Prize Dwarf. Mixed colors; plants of dwarf habit | \$0.75 | \$0.35 |
| 693 Grandiflora Prize Medium Tall. Mixed colors; desirable as a decorative plant | .75 | .35 |
| 699 James' Giant Strain. A superb variety; mixed colors | 1.25 | .50 |
| 707 Sutton's Superb. Mixed colors. Original pkt. | | .75 |
| 700 Matador. Large bright red flowers | | .35 |
| 695 Hybrida. Choice mixed colors | .65 | .25 |
| 702 Radiata Hybrida. New varieties of the Star Cineraria in a wide range of colors and shades | .75 | .20 |
| 703 Stellata (Sutton's). Medium sized star-like flowers. Original pkt. | | .75 |
| 705 Stellata Hybrida. Of graceful and vigorous habit, producing a profusion of elegant flowers | 1.25 | .50 |

WHITE-LEAVED CINERARIA (Dusty Miller)

- 701 **Maritima Candidissima.** Silvery green lacinated foliage, good for edging15 .05

CLARKIA

Annuals of easy culture; planted in large groups they are very bright and effective, and the long graceful sprays are good for table decorations.

- 708 **Single Mixed.** All colors Large Pkt. Pkt.
\$0.15 \$0.05
709 **Double Mixed.** All colors15 .05

CLEMATIS

Hardy perennial climbers; fine for arbors, verandas, etc.

- 710 **Flammula.** Feathery-white, fragrant flowers... .15 .05
712 **Jackman's Large Flowering.** Mixed; saved from the finest, large flowering sorts40 .15
714 **Paniculata (Japanese Virgin's Bower).** The beautiful autumn flowering variety so much admired for its fragrant, white star-shaped flowers20 .10

CLEOME (Spider Plant)

Tall bushy annual plant, branching freely and continuously in bloom. If protected during first winter it will live another season; 4 feet.

- 720 **Pungens.** Pink flowers Large pkt. Pkt.
\$0.20 \$0.05

COCKSCOMB See Celosia**COIX LACHRYMAE See Grasses (Ornamental)***Japanese Imperial Morning Glory (Convolvulus)***CONVOLVULUS (Morning Glory) MAJUS, OR TALL VARIETIES**

One of the most popular annual climbers; a rapid grower.

- 740 **Japanese Imperial.** Flowers of immense size, Oz. Pkt.
and of a great variety of colors\$0.25 \$0.05
741 **Japanese Imperial Fringed.** Large fringed flowers of many beautiful colors and shades... .40 .10
742 **Mixed.** All colors15 .05
744 **Double Flowering.** Mixed colors40 .10
750 **Imported Collection.** 10 varieties40

MINOR, OR DWARF VARIETIES

A charming garden plant, growing about a foot high.

- 748 **Mixed Colors**15 .05
746 **Tricolor.** Blue and white20 .05



Michell's Giant Fancy Cosmos

COSMOS

MICHELL'S LARGE EARLY FLOWERING

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Large pkt.	Pkt.
751 Crimson	\$0.75	\$0.20	\$0.10
752 Pink .....	.75	.20	.10
753 White .....	.75	.20	.10
754 Mixed .....	.60	.20	.10
755 Dawn. White flushed with pink .....	.75	.20	.10

MICHELL'S GIANT OR LATE COSMOS

These produce giant blooms on plants often 7 feet tall.

	Oz.	Large pkt.	Pkt.
759 Pink	\$0.60	\$0.15	\$0.10
761 Red .....	.60	.15	.10
763 White .....	.60	.15	.10
765 Mixed .....	.50	.15	.05
767 Giant Fancy Varieties. Mixed colors...	1.00	.30	.10
768 New Giant Rainbow. Delicate colorings.	1.00	.40	.10
769 Klondyke. Large golden yellow flowers..	1.00	.30	.10
771 Giant "Lady Lenox." Colossal flowers; a beautiful shell pink .....	.75	.20	.10

COBAEA SCANDENS (Cups and Saucers Vine)

Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

725 Purple	oz.	\$0.60	Large pkt.	Pkt.
726 White .....		.30	\$0.15	\$0.10

COLEUS

735 **Large Leaved Hybrids.** Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature. \$0.65 \$0.25

COLUMBINE See *Aquilegia*
CORNFLOWER See *Centaurea*
COWSLIP See *Primula Veris*

CUPHEA (Cigar Plant)

775 **Platycentra.** Interesting bedding plant; the flower is shaped like a hollow cigar; color, scarlet with a black and white tip; 1 foot.30 .10



Cyclamen, Michell's Distinctive Giant

CYCLAMEN

Beautiful plants for the window or greenhouse, with mottled leaves and rich colored flowers. Both the strains offered below have gained a reputation for their large size, perfect form and brilliant colors.

MICHELL'S DISTINCTIVE GIANT

Grown for us in England by a Specialist who has received numerous First Prizes for the large size and beautiful coloring of the flowers.

	100 Seeds	Pkt.
790 Duke of Connaught. Crimson	\$1.50	\$0.50
792 Excelsior. White with red eye	1.50	.50
794 Grandiflora Alba. White	1.50	.50
796 Princess of Wales. Pink	1.50	.50
798 Salmon Queen. Salmon pink	1.50	.50
799 Mixed. All colors	1.25	.40
806 Sutton's Giant. Choicest mixed. Original pkt.		1.00

REGULAR GIGANTEUM STRAIN

Grown for us by a Specialist in Germany.

780 Giganteum Album. White	1.25	.35
782 Roseum. Pink	1.25	.35
784 Rubrum. Red	1.25	.35
786 White with carmine eye	1.25	.35
788 Mixed. All colors	1.00	.25
802 Papilio (Butterfly). The edges of the flowers are beautifully fringed, or waved; mixed colors....	2.00	.40

804 Persicum. Choice mixed	\$0.40	Large pkt.	.10
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CYPERUS (Umbrella Plant)

810 **Alternifolius.** An elegant plant for growing in water or damp places; useful as a pot plant.... .50 .10

CYPRESS VINE (Ipomoea Quamoclit)

A very graceful annual climber, with feathery foliage; and beautiful, star-like flowers.

	Oz.	Pkt.
815 Scarlet	\$0.30	\$0.05
817 White .....	.30	.05
819 Mixed .....	.25	.05



DAHLIAS FROM SEED

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises; seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past.

DOUBLE FLOWERING VARIETIES

	Large Pkt.	Pkt.
827 Cactus, Choice Mixed	\$0.30	\$0.10
829 Large Flowering (Show Type), Mixed .....	.30	.10

SINGLE FLOWERING VARIETIES

832 Century. Immense flowers of splendid form and a great array of colors	3 pkts. 50c.	.20
835 Giant Perfection. Straight petals of gigantic length and perfect form; mixed colors .....	.30	.10
847 Twentieth Century. Flowers of immense size with distinct colorings	3 pkts. 40c.	.15
831 Mountain (<i>Dahlia Purpusii</i>). A new variety from Mexico; fiery scarlet flat flowers .....	.65	.25
851 Imported Collection, 6 Varieties .....		.50

DAISY, ENGLISH DOUBLE (*Bellis Perennis*)

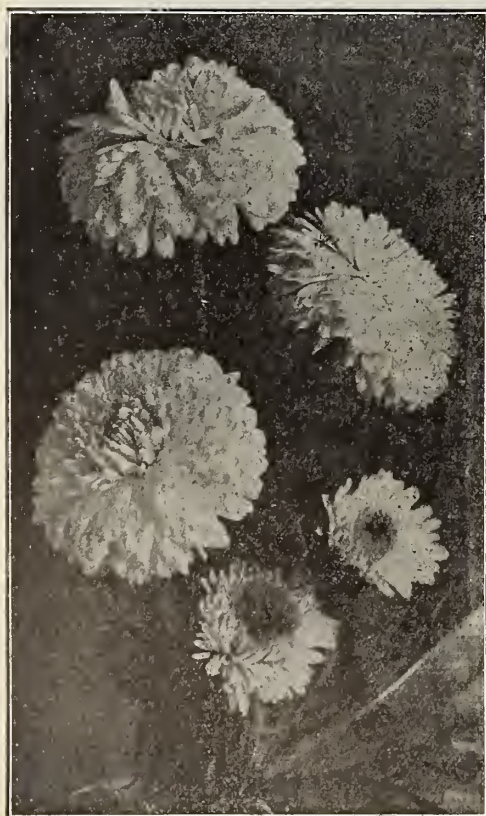
These are strictly biennials and seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

	Large Pkt.	Pkt.
856 Monstrosa, Pink. These surpass all strains of this popular plant in growth and in the abundance of extra large, perfectly double flowers	\$0.65	\$0.25
858 Monstrosa, White .....	.65	.25
857 " Mixed .....	.65	.25
859 Longfellow. Large double pink flowers .....	.40	.10
860 Snowball. Purest white; large and double .....	.40	.10
855 Giant Red. Various shades .....	.40	.10
861 Double Mixed. Finest quality .....	.40	.10

DATURA (Trumpet Flower)

A most ornamental plant growing quite bushy with extra large trumpet-shaped flowers; height, 3 feet.

864 Cornucopia. White marbled with purple	\$0.15	\$0.10
866 Double Golden. Golden yellow flowers .....	.15	.05
868 Double Mixed. All colors .....	.15	.05
862 Brugmansia. Tree form, flowers in clusters from two to three hanging downward; color, purest white; height, 5 feet .....	.40	.15



English Daisy Monstrosa

Don't Fail
to read pages 56 to 62 for
Valuable Novelties



Delphinium-Belladonna

DELPHINIUM (Hardy Perennial Larkspur)

Highly prepossessing plants of stately appearance; of easiest culture they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through fall.

	Large pkt.	Pkt.
872 Burbank's Hybrids. Splendid assortment of colors, with extra large flowers; 4 to 5 feet	\$0.50	\$0.25
878 Kelway's Giant. A strain recognized the world over as a prize-winner; many shades of blue; 5 to 7 feet .....	.50	.15
871 Belladonna. Immense spikes of clear turquoise blue; 5 feet .....	.65	.25
884 Amos Perry. Semi-double; rich rosy mauve flushed with sky blue; dark eye .....	.50	.15
885 Duke of Connaught. Rich Oxford blue with a distinct white eye .....	.50	.15
877 Formosum. Deep blue; 5 feet	oz. \$1.00	.20
880 " Coelestinum. Sky blue .....	.30	.15
875 Chinese Grandiflorum. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet	oz. 50c.	.15
874 Chinese Grandiflorum Album. Pure white flowers	oz. 50c.	.15
873 Cashmerianum. Dark blue; 18 inches .....	.50	.10
876 Elatum (<i>Bee Larkspur</i>). Rich blue; 4 feet	oz. \$1.00	.25
886 Mme. Violet Geslin. Semi-double; clear blue, lavender centre, with white eye .....	.50	.15
879 Nudicaule. Bright scarlet; 18 inches .....	.50	.10
887 Portia. Lovely cornflower blue, with dark centre .....	.50	.15
888 Queen Wilhelmina. Large flowers of a soft lavender blue, flushed with rose, white eye .....	.50	.15
889 Rembrandt. Bright sky-blue, inner petals rosy lavender .....	.50	.15
881 Zalil. Sulphur yellow; 4 feet .....	.50	.10
883 Hybridum Mixed. Choicest; 4 feet	oz. 40c.	.15

For Annual Larkspurs, see page 82

*Dianthus—Double Annual Pinks***DIANTHUS (Pinks)**

A most satisfactory class of flowers, easily raised from seed and which are in constant bloom the entire season; fragrant.

DOUBLE ANNUAL SORTS

	Large pkt.	Pkt.
890 China or Indian Pink. All colors mixed; oz. 50c.	\$0.15	\$0.05
892 Fireball. Fiery red .....	.20	.10
894 Double Fringed. Large flowers; mixed .....	.25	.10
896 Japan Pink. Most fantastic colors and forms ..	.20	.10
898 White. Fringed flowers .....	.20	.05

SINGLE ANNUAL SORTS

909 Single Japan Pink. All colors	oz. 75c.	.20	.05
911 Nobilis. Petals undulated and twisted; mixed...		.25	.10
913 Princess, "Dark Shaded." Beautiful shades...		.50	.15
914 Silver Lace (New). Attractive, slightly fringed flowers; dark blood red, edged with pure white ..		.25	.10
915 Salmon Queen. Fringed; salmon pink .....		.20	.10
916 Imported Collection. All forms, 12 varieties...		.40	.15

HARDY GARDEN PINKS

917 Erfurt. Of dwarf, compact growth; blooms early; very fragrant; mixed colors .....	.65	.15
919 Clove Scented. Double and semi-double varieties, in beautiful colors; fragrant .....	.40	.10
920 Latifolius Atrococcineus (Everblooming Hybrid Sweet William). Double, brilliant red .....	.25	.10
921 Pheasant's Eye. Single white fringed flowers with dark centre	oz. \$0.60	.15 .05
923 Double Scotch. Choice colors .....	.40	.15

DICTAMNUS (Gas Plant)

925 Fraxinella. Showy bushy plants 2½ feet high, rosy pink flowers, June and July15	.05
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*Digitalis (Foxglove) Gloxiniaeflora***DIGITALIS (Foxglove)**

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

	Oz.	Large pkt.	Pkt.
924 Gloxiniaeflora, Lilac	\$1.00	\$0.15	\$0.10
927 " Pink	1.00	.15	.10
928 " Purple	1.00	.15	.10
929 " White	1.00	.15	.10
930 " Mixed .....	.75	.15	.05
932 Monstrosa (Mammoth Foxglove). The tall spikes are surmounted by one monstrous flower all colors mixed	¼ oz. 40c.	.30	.10

DIMORPHOTHECA

926 Aurantiaca (Golden Orange Daisy). One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold daisy-like blooms on fairly long stems during the entire season; excellent for cutting .....	.40	.15
931 Aurantiaca Hybrids (New). A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc. ....		.20

DOLICHOS (Hyacinth Bean)

Rapid growing climber, bearing a profusion of bean-like flowers.

934 Darkness. A variety from Japan; rapid grower; flowers reddish violet	Oz.	Pkt.
935 Daylight. Identical to the above except in color, which is pure white	\$0.25	\$0.10
937 Choice Mixed .....	.15	.05

DRACENA

Large pkt. Pkt.

Ornamental plants for vases or conservatory decoration.

940 Australis. Green and red colored leaves	\$0.25	\$0.10
942 Indivisa. Narrow green leaves	oz. \$0.50	.15 .10

ECHINOCYSTIS (Wild Cucumber Vine)

945 Lobata. One of the quickest growing vines; excellent for covering trellises, fences, etc.	Oz.	Pkt.
	\$0.30	\$0.05

*Eschscholtzia (California Poppy)***ESCHSCHOLTZIA (California Poppy)**

An elegant hardy annual with fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot.

	Large pkt.	Pkt.
951 Californica . Pure yellow .....oz. 30c.	\$0.15	\$0.05
955 Golden West . Magnificent large deep golden yellow flowers .....oz. 40c.	.15	.10
952 Burbank's Crimson . Large flowers of a rich deep crimson .....oz. 30c.	.25	.10
959 Orange . Rich orange yellow .....oz. 30c.	.15	.05
963 White .....oz. 30c.	.15	.05
957 Mandarin . Inner side of petals orange, outer petals scarlet .....oz. 35c.	.15	.05
961 Rose Cardinal . Carmine rose .....oz. 40c.	.15	.05
965 Choice Mixed .....oz. 25c.	.15	.05

EDELWEISS (Gnaphalium)

950 Leontopodium . The famous Alpine flower, suitable for rock work, etc.; 6 inchesoz. 40	.15
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EULALIA (Ornamental Grass) See page 79**EUPATORIUM**

A fine hardy perennial, which will grow and thrive in almost any position; blooms the first season from seed if sown early; excellent for cutting; 2 feet.

975 Fraseri . Feathery white flowersoz. 20	.10
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EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet.

	Large pkt.	Pkt.
980 Heterophylla (Mexican Fire Plant) . Large glossy green leaves, turning to orange scarlet in midseason .....oz. 20	\$0.20	\$0.10
982 Variegata (Snow on the Mountain) .....oz. 30c.	.15	.05

FERNS

Very desirable plants for ferneries.	Large pkt.	Pkt.
985 Adiantum (Maiden Hair) . Mixed .....oz. 40	\$0.40	\$0.15
989 Pteris Varieties . Mixed .....oz. 40	.40	.15
991 Choice Mixed . Choice collection .....oz. 40	.40	.15

We can also furnish all other varieties of fern spores.

FEVERFEW (Matricaria)

995 Double White . Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inchesoz. 40c.	.15	.10
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FORGET-ME-NOT See *Myosotis***FOUR O'CLOCK** See *Marvel of Peru***FOXGLOVE** See *Digitalis***FUCHSIA (Lady's Ear Drop)** 100 Seeds

1015 Double and Single Mixed . Of easy culture...	\$0.50	.15
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FREESIA

1005 New Hybrids Mixed . A valuable novelty, flowering within 8 months from time of sowing...	\$0.25
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*Gaillardia, Grandiflora***GAILLARDIA (Blanket Flower)**
ANNUAL VARIETIES

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

1028 Picta Mixed . Single flowers in all colors; .....oz. 30c.	\$0.15	\$0.05
1020 Picta Lorenziana . Double mixed.....oz. 40c.	.15	.05

PERENNIAL VARIETIES

1020 Grandiflora Compacta . A compact variety; choice mixed colors; 12 to 15 inches .....oz. 50c.	\$0.20	\$0.10
1022 Grandiflora Superba . Splendid mixed, 2 feet; .....oz. 50c.	.15	.10
1021 Grandiflora Sanguinea . Blood red flowers....	.25	.15
1030 Sulphurea Oculata . Sulphur, maroon eye....	.30	.10
1029 Semi-Double . Golden yellow tinged maroon...	.30	.10

GENTIANA (Blue Gentian)

1035 Acaulis . A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations....	.20	.10
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GERANIUM

These are general favorites, easily grown from seed.

	100 Seeds	Pkt.
1040 Apple Scented . Highly esteemed on account of its fern-like, fragrant foliage; 1 foot .....oz. 40	\$0.40	\$0.10
1042 Pelargonium (Lady Washington) . Seed saved from the largest flowered show varieties	1.25	.25
1044 Zonale Mixed . A superb strain of the largest and finest varieties; 1 to 2 feet .....oz. 20	\$0.20	.10

GERBERA (*Transvaal Daisy*)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting. 100 Seeds Pkt.

- 1049 **Jamesoni Gigantea**. Extra large flowers of brightest scarlet \$1.50 \$0.25
1047 **Jamesoni Hybrida** (*New*). All colors in great variation40

GEUM

Large pkt. Pkt.

- 1051 **Atrosanguineum Fl. Pl.** A beautiful hardy perennial, bearing large, showy flowers all through the summer; fine for bouquets; double, dark crimson flowers; 1½ feet25 .10

GLOXINIA

Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; 1 foot.

- 1055 **Hybrida Grandiflora**. The best strain in existence, embracing all the choicest self-colored and tigered and spotted flowers. Lge. pkt. Pkt. \$0.75 \$0.25

GOSETIA (*Satin Flower*)

A most attractive bushy little annual plant with bright flowers opening in the morning and closing at evening; very effective in gardens; not serviceable as a cut flower; height, 15 inches.

Large pkt. Pkt.

- 1060 **Gloriosa**. Blood red flower \$0.15 \$0.10
1062 **Choice Mixed**15 .05

GOLDEN ROD (*Solidago Canadensis*)

- 1065 A well-known hardy perennial; deep golden yellow flowers; 2 feet15 .05

GOMPHRENA (*Globe Amaranth*)

Also called "Bachelor's Buttons"; a showy annual everlasting, with button-like flowers, fine for cutting; height, 12 inches.

Oz. Large pkt. Pkt.

- 1070 **Nana Compacta**. Dwarf red \$0.30 \$0.15 \$0.05
1072 **Mixed**. All colors25 .15 .05



Ornamental Mixed Gourds

GOURD (*Ornamental*)

Rapid growing annual climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit.

- | | Oz. | Pkt. |
|---|--------|--------|
| 1075 Calabash, or Dipper . Very useful | \$0.25 | \$0.05 |
| 1077 Egg-Shaped . White like an egg | .25 | .05 |
| 1079 Hercules Club . Club shaped; 4 feet long | .25 | .05 |
| 1081 Luffa (<i>Dish Rag or Bonnet Gourd</i>) | .25 | .05 |
| 1083 Orange-Shaped (<i>Mock Orange</i>) | .25 | .05 |
| 1085 Pear-Shaped . Striped; very showy | .25 | .05 |
| 1087 Serpent . Striped like a serpent; 5 feet long | .25 | .05 |
| 1089 Sugar Trough . Used as water holders | .25 | .05 |
| 1091 Mixed . In a great variety | .20 | .05 |

GREVILLEA (*Silk Oak*)

- 1095 **Robusta**. A fine decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed Lge. pkt. Pkt. oz. 75c. \$0.20 \$0.10

GRASSES, ORNAMENTAL

Few plants are more decorative. The ideal spot for the taller varieties is on the outskirts of a pond. Those with plummy tops are very effective when used as centrepieces for beds of cannas, etc.



A. ELAC PHIL.

ARUNDO (*Great Reed*)

Large pkt. Pkt.

- 155 **Donax**. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 ft. \$0.20 \$0.10

AVENA (*Animated Oats*)

- 415 **Sterilis**. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches15 .05

BRIZA (*Quaking Grass*)

- 490 **Maxima**. Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot15 .05

BROMUS

- 495 **Brizaeformis**. Large drooping panicles, useful for bouquets; 2 feet; annual15 .05

COIX LACHRYMAE (*Job's Tears*)

- 730 A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet; oz. 10c. .05

EULALIA

- 970 **Japonica**. A hardy perennial variety, with long, graceful leaves; green and white striped; 4 to 5 feet15 .05

GYNERIUM (*Pampas Grass*)

- 1100 **Argenteum**. White silvery plumes; perennial; blooms the second season; 8 to 10 feet15 .10

HORDEUM JUBATUM (*Squirrel Tail Grass*)

- 1166 Bushy panicles; excellent for bouquets; annual; 3 feet15 .05

PENNISETUM

- 1640 **Longistylum**. Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual .15 .05
1642 **Ruppelianum** (*Purple Fountain Grass*). Excellent for beds or for dried bouquets; purple plumes; 3 feet; perennial15 .10

STIPA PENNATA (*Feather Grass*)

- 2005 Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet.15 .05

One packet each of the above 11 varieties of
Ornamental Grasses for 60 Cents

GYPSOPHILA (Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with Sweet Peas; 2 feet.

	Large pkt.	Pkt.
1103 <i>Elegans Alba Grandiflora</i> . A hardy annual variety; delicate sprays of pure white flowers.	\$0.15	\$0.05
1105 <i>Paniculata</i> . Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early .....oz. 40c.	.15	.05
1106 <i>Paniculata fl. pl.</i> (New). Perennial, with double white flowers .....		.25

HELENIUM (Sneeze-Wort)

1108 <i>Autumnale Superbum</i> . A hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; 5 to 6 ft.; September	.30	.10
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HELIANTHUS See Sunflower



Helichrysum—Straw Flower

HELICHRYSUM (Straw Flower) Large pkt. Pkt.

1110 <i>Monstrosum</i> . One of the best everlasting flowers; useful as dried flowers for winter bouquets; double, mixed colors; 2 feet; oz. 50c.	\$0.15	\$0.05
1111 Imported Collection, 10 varieties .....		.50

HELIOPSIS (Orange Sunflower)

1112 <i>Pitcheriana</i> . A handsome hardy perennial; producing an abundance of deep orange yellow flowers, the entire summer; excellent for cutting; 3 to 4 feetoz. 50c.	.15	.10
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HELIOTROPE

A well known and highly prized plant on account of the delightful fragrance of the flowers; excellent for pots, or for bedding; 18 inches.

	Large pkt.	Pkt.
1115 <i>Lemoine's Giant</i> . Produces a profusion of flowers nearly double the size of the old sort; mixed colors	\$0.50	\$0.15
1117 <i>Regal</i> . Of dwarf compact growth; immense flowers; all shades .....	.50	.15
1119 <i>Choice Mixed</i> . Of many varieties .....	.25	.10
1121 Imported Collection. 6 sorts .....		.40

HEUCHERA (Alum Root)

1125 <i>Sanguinea</i> . Splendid hardy perennial; spikes of vivid crimson flowers; excellent for cutting; 1 foot40	.10
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HIBISCUS (Marshmallow)

Showy, ornamental perennial plants, having large sized, beautiful bell-shaped flowers.

	Large pkt.	Pkt.
1130 <i>Crimson Eye</i> . Large white flowers with crimson centre; 4 feet .....oz. 60c.	\$0.15	\$0.10
1132 <i>Golden Bowl</i> . Giant yellow, maroon centre; 3 feet .....	.20	.10
1134 <i>Palustris</i> . Large pink flowers; 3 feet .....	.20	.05



Chater's Double Hollyhock

HOLLYHOCK

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

CHATER'S IMPROVED DOUBLE HOLLYHOCK

	Oz.	Large pkt.	Pkt.
1149 <i>Pink</i>	\$1.25	\$0.30	\$0.10
1150 <i>Maroon</i>	1.25	.30	.10
1151 <i>Red</i>	1.25	.30	.10
1153 <i>Salmon</i>	1.25	.30	.10
1155 <i>White</i>	1.25	.30	.10
1157 <i>Yellow</i>	1.25	.30	.10
1159 <i>Choice Mixed</i>	1.00	.25	.10
1160 <i>Single Mixed</i>	1.00	.20	.10
1161 Imported Collection. 6 colors .....			.40
1163 Imported Collection. 12 colors .....			.75
1146 <i>Allegheny</i> . Semi-double; mammoth flowers, edges fringed and laciniated; mixed; oz. \$1.00	.30	.10	

ANNUAL EVERBLOOMING HOLLYHOCK

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

1147 <i>Double Ever-blooming</i> . Immensely tall plants with big leaves; colors range from white to deep black, yellow, pink, red, purple; oz. \$1.25	.50	.15
1148 <i>Single Ever-blooming</i> . Differ from above only in the flowers being single .....oz. \$1.00	.30	.10

HONESTY (Moonwort, Satin Flower)

Large pkt. Pkt.

- 1165 Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; 2 ft. \$0.15 \$0.05

HORDEUM (ORNAMENTAL GRASS) (See page 79)**HUMULUS** (Japanese Hop)

A rapid growing annual climber with luxuriant foliage.

- | | Oz. | Pkt. |
|--|--------|--------|
| 1170 Japonicus. Dense green foliage | \$0.40 | \$0.05 |
| 1172 Variegatus. Leaves mottled with white | .50 | .10 |

HUNNEMANNIA (Giant Yellow Tulip Poppy)

Large pkt. Pkt.

- 1175 *Fumariaefolia*. Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feet ..oz. 50c. .15 .10

HYACINTH BEAN See *Dolichos***IMPATIENS** (Sultan's Balsam)

A charming plant for house and conservatory decoration.

Large pkt. Pkt.

- 1177 *Holstii*. A new variety from Africa, resembling *Impatiens Sultani* in leaf and shape of bloom, but surpassing it in quicker growth and its larger and brighter colored flowers \$0.65 \$0.20
- 1178 *Holstii*, "New Hybrids." The colors offered in these New Hybrids are beautiful and of many shades65 .15
- 1180 *Sultani*. Brilliant rosy-scarlet40 .15
- 1182 *Sultani Hybrida*. Colors ranging from pale pink to dark crimson40 .15

Moonflower (*Ipomoea Noctiflora*)**IPOMOEA**

- | | Oz. | Pkt. |
|--|--------|--------|
| 1185 <i>Grandiflora Superba</i> . Flowers sky-blue with a white margin | \$0.25 | \$0.05 |
| 1187 <i>Heavenly Blue</i> . Large, sky-blue flowers | .75 | .10 |
| 1189 <i>Noctiflora</i> (Moon Flower). At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers | .75 | .10 |
| 1191 <i>Setosa</i> (Brazilian Morning Glory). Large leaves and bright rose-colored flowers | .40 | .05 |
| 1193 <i>Mixed</i> . Various colors | .25 | .05 |

*Humulus Variegatus* (See Opposite)**INCARVILLEA** (Hardy Gloxinia)

- 1184 *Delavayi*. Deeply cut hairy foliage with stout lgs. Pkt. stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; perennial; May; 15 inches \$0.50 \$0.25

IRIS (Flowering Flag)

- 1194 *Kaempferi* (Japanese Iris). Hardy perennial; very showy; blooms the second year from seed; mixed colors20 .10

KENILWORTH IVY (*Linaria Cymbalaria*)

- 1195 A charming, neat trailing plant, for baskets, vases, pots, etc.; flowers violet \$0.30 \$0.05

*Kochia Trichophylla***KOCHIA** (Summer Cypress or Mexican Fire Bush)

- 1198 *Trichophylla*. An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet. \$0.15 \$0.10

LANTANA

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

- 1200 *Dwarf Mixed*. 10 inches high, all colors \$0.20 \$0.10
- 1201 *Choice Tall Mixed*. 2 to 3 feet high, ...oz. 30c. .15 .10

**LARKSPUR (Annual)**

Splendid flowers of easy culture; sown in May outdoors they will be in full bloom in July; graceful fern-like foliage and slender spikes 3 feet tall with double rosette flowers; fine for cutting or garden decoration.

GIANT HYACINTH FLOWERED

Tall spikes with double flowers resembling Hyacinths.

1226	Queen of Pinks. It is the color which gives this variety a foremost place in any garden; spikes fully 3 feet tall and well branched; color, delicate salmon pink	Oz.	Lge. pkt.	Pkt.
		\$1.00	\$0.30	\$0.10
1222	Shell Pink	.50	.20	.05
1223	White	.50	.20	.05
1221	Dark Blue	.50	.20	.05
1224	Mixed Colors	.40	.15	.05

TALL DOUBLE STOCK FLOWERED

Plants branch freely and the flowers resemble double stock; height, 2½ feet.

		Oz.	Large pkt.	Pkt.
1202	Dark Blue	\$0.50	\$0.20	\$0.10
1203	Sky Blue	.50	.20	.10
1206	Shell Pink	.50	.20	.10
1209	White	.50	.20	.10
1207	All Colors Mixed	.40	.15	.05

DWARF DOUBLE ROCKET

1205	Mixed. A compact bushy plant with several dwarf spikes of double flowers; height, 1 foot	.25	.15	.05
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For Perennial Larkspur, see Delphinium, page 76



Lathyrus (Everlasting Pea)

LATHYRUS LATIFOLIUS
(Everlasting or Perennial Pea)

Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting.

		Oz.	Pkt.
1210	Crimson. Brilliant	\$0.40	\$0.10
1212	Pink Beauty. Bright rosy-pink	.40	.10
1214	White	.40	.10
1216	Choice Mixed. All colors	.40	.05

LAVATERA

Large Pkt.

1218	Splendens Rosea. A compact shrubby-like annual plant with glossy foliage and bright pink mallow-like flowers; splendid for cutting and decorative work; easily raised from seed.	\$0.20	\$0.10
------	--	--------	--------

LAVENDER (Lavendula Vera)

1220	Well-known hardy perennial, bearing long spikes of fragrant blue flowers; 18 inches.	oz. 60c.	.15	.05
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Double Stock Flowered Larkspur

LIATRIS (Blazing Star or Gay Feather) Lge. pkt. Pkt.

1227	Pycnostachia. Showy and attractive perennial plants; with long spikes of rosy purple flowers; July to September; 3 to 4 feet	\$0.50	\$0.10
------	--	--------	--------

LINARIA See Kenilworth Ivy**LILY OF THE VALLEY (Convallaria Majalis)**

1225	Lovely plants, bearing pure white, fragrant, bell-shaped flowers early in spring	.25	.10
------	--	-----	-----

LINUM (Scarlet Flax)

1230	Grandiflorum Rubrum. Ideal for bedding; dwarf and compact, with light green foliage and bright scarlet flowers; annual; 1 foot;	oz. 25c.	.15	.05
------	---	----------	-----	-----



Lobelia, Barnard's Perpetual

LOBELIA

No garden is complete without an edging of blue Lobelia, and for a long season of bloom and dwarfness there is nothing that can take its place; seeds are best started early in the house, but they may also be sown outdoors, when they will bloom later in the season.

Large pkt. Pkt.

- | | | | |
|------|--|--------|--------|
| 1239 | Crystal Palace Compacta. Very compact deep blue, the best for edging | \$0.40 | \$0.10 |
| 1235 | Barnard's Perpetual. Deep blue with white eye | .30 | .10 |
| 1241 | Crystal Palace Speciosa. Of trailing habit, deep blue, fine for vases | .20 | .10 |
| 1243 | Double Flowering. Small double deep blue flowers, resembling little violets | .65 | .10 |
| 1245 | Emperor William. Flowers sky blue, plants very compact | .30 | .10 |
| 1249 | Gracilis. Of trailing habit, deep blue | .20 | .10 |
| 1255 | White Gem. Very compact, snow-white flowers | .30 | .10 |
| 1257 | Mixed. All colors | .20 | .05 |

PERENNIAL VARIETIES

- | | | | |
|------|--|-----|-----|
| 1237 | Cardinalis (Cardinal Flower). Tall spikes of bright scarlet flowers, very showy; thrives in moist situations | .50 | .10 |
| 1252 | Illumination (New). Each plant produces one flower stem, strong and broad, compactly clothed with brilliant scarlet flowers; 2 feet... .. | .25 | |

LOPHOSPERMUM

- | | | | |
|------|--|-----|-----|
| 1260 | Scandens. An ornamental annual climber, with showy rosy-purple flowers, resembling Fox-gloves in shape; 10 feet | .40 | .10 |
|------|--|-----|-----|

LYCHNIS

Hardy perennial plants of easy culture; most effective in beds or borders.

Large pkt. Pkt.

- | | | | |
|------|--|--------|--------|
| 1285 | Chalcedonica (Rose Campion). Fine scarlet cross-like flowers; 2 feet; July.....oz. 40c. | \$0.15 | \$0.05 |
| 1287 | Haageana. Brilliant, large, orange, scarlet, pink, or crimson flowers; mixed; 1 foot; July..... | .20 | .10 |



Marvel of Peru (Four O'Clock)



Lupinus

LUPINS**ANNUAL VARIETIES**

It is surprising how few gardens possess this valuable showy flower, which blooms within six weeks after sowing; extremely decorative in the garden, and is equally valuable for cutting and will easily last four days; height, 2 feet.

- | | | | |
|------|--|--------|--------|
| 1268 | Pink Beauty. Tall spikes of an exquisite shell pink color | \$0.50 | \$0.10 |
| 1265 | Blue | .30 | .05 |
| 1267 | Pink | .30 | .05 |
| 1269 | Red | .30 | .05 |
| 1271 | Scarlet, White Tipped | .30 | .05 |
| 1273 | White | .30 | .05 |
| 1275 | Yellow | .40 | .10 |
| 1277 | Mixed, All Colors | .20 | .05 |

PERENNIAL VARIETIES

Graceful spikes with pea-shaped flowers; thrives best in semi-shady situations; excellent for cutting; July-August; 3 feet.

- | | | | |
|------|---------------------------------------|----------|--------|
| 1278 | Polyphyllus Roseus. Pink | \$0.40 | \$0.15 |
| 1280 | Blue | .15 | .05 |
| 1281 | White | .15 | .05 |
| 1279 | Perennial Mixed | oz. 30c. | .15 |

LYTHRUM

- | | | | |
|------|---|-----|-----|
| 1288 | Roseum Superbum (Rose Loose Strife). A pretty hardy perennial; plants grow 3 feet high and produce spikes of rosy flowers from July to September | .15 | .10 |
|------|---|-----|-----|

MARIGOLD See Next Page**MARVEL OF PERU (Four O'Clocks)**

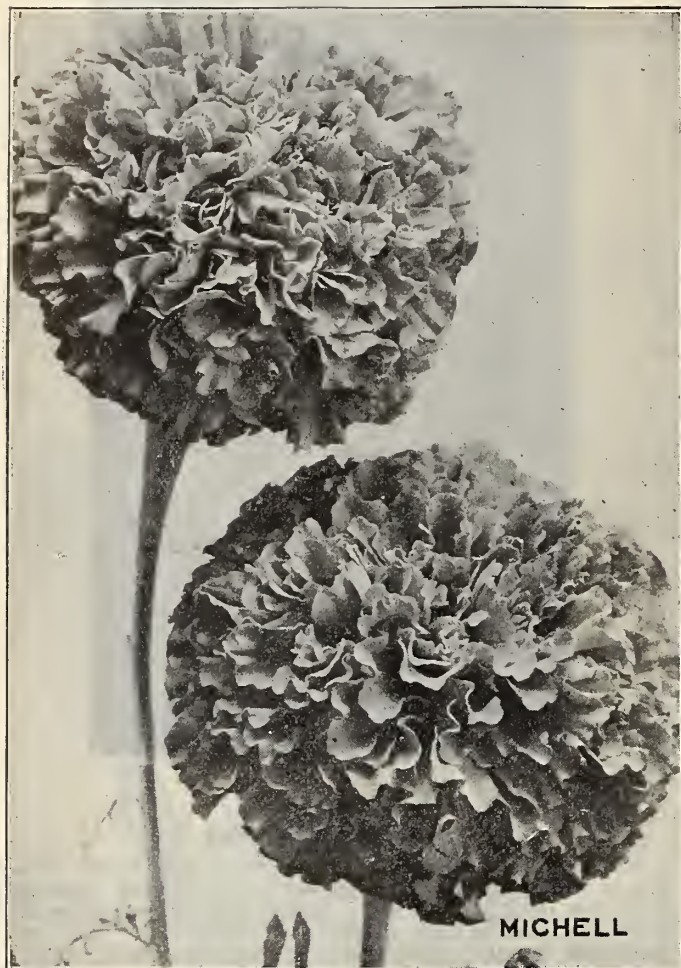
- | | | | |
|------|---|--------|--------|
| 1315 | Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet | oz. | Pkt. |
| | | \$0.15 | \$0.05 |

MAURANDIA

A beautiful climber of rapid growth for baskets, vases and trellises; produces an abundance of tube-shaped flowers; 10 feet.

Large pkt. Pkt.

- | | | | |
|------|---------------------------------|--------|--------|
| 1320 | Barclayana. Purple | \$0.25 | \$0.10 |
| 1326 | Choice Mixed | .25 | .10 |



Marigold—El Dorado

MARIGOLD (Tagetes)

Popular free-blooming garden plants of easiest possible culture.

AFRICAN VARIETIES

These are mostly of tall growth, from 2½ to 3 feet high.

- | | | | |
|------|--|------------|---------------|
| 1296 | El Dorado. Imbricated flowers of immense size | Large pkt. | Pkt. |
| | in all shades of yellow | oz. 40c. | \$0.15 \$0.05 |
| 1307 | Orange Prince. Flowers very large, of a deep orange color | oz. 60c. | .20 .10 |
| 1303 | Lemon Queen. Soft lemon yellow | oz. 60c. | .20 .10 |
| 1308 | Pride of the Garden. Dwarf, 18 inches, golden yellow | oz. 60c. | .20 .10 |
| 1300 | Large African. Tall double mixed | oz. 30c. | .15 .05 |
| 1311 | Imported Collection, 6 Varieties | | .25 |

FRENCH VARIETIES

Of compact dwarf growth with velvety flowers.

- | | | | |
|------|--|------------|---------------|
| 1290 | Double Pulchra. Rich golden yellow with deep velvety brown centre; 1 foot | Large pkt. | Pkt. |
| | | oz. 30c. | \$0.15 \$0.05 |
| 1294 | Dwarf Gold Striped. Double, brownish red striped golden yellow; 1 foot | oz. 40c. | .15 .10 |
| 1302 | Legion of Honor (Little Brownie). Single flowers of golden yellow with a large spot of crimson velvet; 6 inches | oz. 35c. | .15 .05 |
| 1306 | Liliput. Dwarf; excellent for pots; small double flowers; mixed colors; 4 inches | oz. 60c. | .20 .10 |
| 1292 | Dwarf French Mixed. All colors | oz. 30c. | .15 .05 |
| 1310 | Imported Collection, 6 Varieties | | .25 |

MARVEL OF PERU. (See page 83.)

MATTHIOLA

- | | | | |
|------|---|-----|-----|
| 1318 | Bicornis (Evening Scented Stock). A desirable annual, on account of its delightful fragrance during the evening; color, purplish lilac | .15 | .05 |
|------|---|-----|-----|

MAURANDIA. (See page 83.)

MESEMBRYANTHEUM

Dwarf trailing annuals for rockeries, edgings and vases.

- | | | | |
|------|---|------------|--------|
| | | Large pkt. | Pkt. |
| 1330 | Cordifolium Variegatum. Variegated foliage; rose-colored flowers | \$0.30 | \$0.10 |
| 1331 | Crystallinum (Ice Plant). Singular icy foliage; flowers white | .15 | .05 |
| 1332 | Tricolor (Wax Plant). Various colors | .15 | .05 |

MIGNONETTE

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; may also be forced in green-houses during winter.

Large Pkt. Pkt.

- | | | | |
|------|---|----------|---------|
| 1356 | Michell's Colossal. Foliage, stalks and flowers are very robust. The flower-spikes often average 18 inches; extremely fragrant | \$0.50 | \$0.15 |
| 1340 | Allen's Defiance. Spikes invariably attain a height of 12 to 15 inches; deliciously fragrant; | | |
| | oz. 60c. | .20 | .10 |
| 1345 | Bismarck. Compact plant of strong growth, stout spikes of large flowers | .30 | .10 |
| 1355 | Machet. Large reddish tinted, sweet scented flowers | oz. 50c. | .15 .10 |
| 1349 | Golden Machet. Large golden flowers; oz. 50c. | .15 | .10 |
| 1352 | Goliath. Giant spikes of brilliant red flowers | .20 | .10 |
| 1363 | Sutton's Giant. Reddish buff, original pkts. | | .30 |
| 1357 | Miles' Spiral. Flowers whitish | oz. 25c. | .15 .05 |
| 1359 | Parson's White. Large fragrant white flowers; | oz. 35c. | .15 .05 |
| 1365 | Sweet Scented. The popular garden sort; | oz. 15c. | .05 |
| 1367 | Imported Collection, 10 Varieties | | .50 |





MIMULUS

Showy profuse flowering plants; fine for greenhouse or moist shady situations; half-hardy perennials, blooming the first year if sown early.

	Large pkt.	Pkt.
1370 Moschatus (<i>Musk Plant</i>). Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches	\$0.30	\$0.05
1372 Moschatus Compacta . Fine for pots and borders; 4 inches .....	.50	.10
1374 Tigrinus (<i>Monkey Flower</i>). Fine mixed tigered and spotted varieties; 1 foot .....	.30	.05

MINA

1380 Lobata . Half hardy annual climber, of rapid growth, bearing racemes of flowers the buds of which are orange red, but open orange yellow, and afterwards turn to creamy white....	.30	.10
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MONARDA (Bergamot)

1382 Didyma . Tall plants crowned with whorls of salvia-like, deep scarlet flowers; very showy and attractive; 4 feet; July-August65	.15
---	-----	-----

MOON FLOWER See *Ipomoea*

MORNING GLORY See *Convolvulus*

MUSA ENSETE (Abyssinian Banana)

1385 A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive, and very effective; 10 to 15 feet. Seeds should be started in wet moss placed over heat. Per 10 seeds, 25c.		
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MYOSOTIS (Forget-Me-Not)

BIENNIAL VARIETIES

Although biennials these flower the first year from seed. Sown in spring they flower in the fall; if wanted for spring flowering sow in July and transplant in the fall; 1 foot.

	Large pkt.	Pkt.
1391 Alpestris Victoria . Of bushy habit; bearing large bright blue flowers; very fine; 6 inches...	\$0.30	\$0.10
1395 Eliza Fanrobert . Large flowering, bright blue .....	.20	.10
1399 Grandiflora Alba . Large white flowers; 6 in. ....	.25	.10
1400 Grandiflora Rosea . Large pink flowers; 6 in. ....	.25	.10
1401 Palustris . The true Forget-Me-Not; bright blue flowers; 6 in. ....	.40	.10
1405 Royal Blue . This variety belongs to the upright pillar-shaped section; large; deep blue..	.40	.10
1406 Ruth Fischer . Plant of neat, compact habit with light blue flowers; splendid for pots.....	.65	.25
1407 Choice Mixed	oz. 75c.	.20 .05

PERENNIAL VARIETIES

These differ from the biennial by reappearing each year in heavier plants and more numerous flowers; 8 inches; all summer.

	Large pkt.	Pkt.
1393 Dissitiflora . Deep green foliage and attractive deep blue flowers	\$0.40	\$0.10
1403 Palustris Semperflorens . Dwarf; blooms the entire season; deep blue .....	.30	.10



Myosotis (Forget-Me-Not)

NIGELLA

(*Love in a Mist*)

1515 **Damascena**. Showy hardy annual with finely cut foliage and centaurea-like flowers, blue and white mixed; 1 foot. Large pkt. 15c., pkt. 5c.

1517 **Miss Jekyll**. A lovely variety, bearing on long stems a profusion of beautiful flowers of corn-flower blue, making a fine contrast with the fine fern-like foliage; excellent for cutting; 18 inches. Large pkt. 20c., pkt. 10c.

See
Page 63
for
Our
Special
Collections
of
Flower
Seeds



Nicotiana (Flowering Tobacco)

NICOTIANA (Flowering Tobacco)

Extremely showy annual plants with graceful, slender, tall stems and fragrant flowers; height, 3 feet.

	Large pkt.	Pkt.
1505 Affinis . Fragrant, tube-shaped, pure white flowers	\$0.15	\$0.05
1506 Affinis Hybrida . Charming large flowered, sweet scented hybrids; colors range through creamy white and rose tints to bright red and crimson .....	.25	.10
1508 Sanderae . A new variety of great merit, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant...	.25	.10
1509 Sylvestris . A very ornamental variety with deep green leaves, and large, pure white fragrant, drooping flowers; 4 feet .....	.15	.10



Nigella—Miss Jekyll



MICHELL'S FANCY NASTURTiums



Michell's Giant Dwarf Nasturtiums

A great advance has been made of late years in the range of new colors which has been developed in this popular flower, which is one of our most beautiful annuals; easily grown, and producing a great profusion of brilliant colored flowers from within a few weeks after they are sown until they are killed by frost; they will flower more profusely in thin soil. Our Nasturtiums are noted for their size, variety and brilliancy of their colors.

DWARF OR BEDDING

(Tom Thumb)

Of dwarf, compact growth; excellent for bedding purposes; 1 foot high.

	¼ lb.	Oz.	Pkt.
1442 Michell's Fancy Giant Mixed. This is one of the finest mixtures ever offered; composed of the largest and finest varieties. Per lb. \$1.35	\$0.45	\$0.20	\$0.10
1440 Choice Mixed. All colors. Per lb. \$1.00 .....	.30	.15	.05
1445 Liliput Mixed. A new variety of very dwarf and compact growth, and producing in the greatest profusion flowers of many new and beautiful colors and shades .....	.45	.15	.05
1443 Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed.....	.60	.20	.10
1446 Queen of Tom Thumbs Mixed. Silver variegated foliage; flowers in a great variety of colors .....	.60	.20	.10
1431 Queen of Tom Thumbs, Crimson. Silver variegated foliage and rich, bright crimson flowers .....	.75	.25	.10
1444 Golden Foliage Mixed .....	.50	.15	.10
1417 David Burpee Spencer. New compact plants with emerald green leaves which are wavy and ruffled; flowers deep scarlet on long stems .....		.50	.10
1410 Aurora. Rich yellow, veined carmine....	.40	.15	.05
1412 Beauty. Yellow, with scarlet veinings...	.40	.15	.05
1413 Bronze. Burnished bronze color .....	.40	.15	.05
1414 Chameleon. Produces various colors and markings on the same plant .....	.40	.15	.05
1416 Cloth of Gold. Golden yellow leaves, scarlet flowers .....	.40	.15	.05
1415 Crystal Palace Gem. Sulphur yellow, spotted maroon .....	.40	.15	.05
1418 Empress of India. A splendid variety, with dark leaves and crimson flowers..	.45	.15	.05

DWARF OR BEDDING—Continued

	¼ lb.	Oz.	Pkt.
1420 Golden King. Dark foliage; golden flowers	\$0.40	\$0.15	\$0.05
1422 Golden Queen. Foliage and flowers golden yellow .....	.40	.15	.05
1423 King of Tom Thumbs. Dark foliage; scarlet flowers ...	.40	.15	.05
1424 King Theodore. Dark foliage; flowers crimson maroon ..	.45	.15	.05
1426 Lady Bird. Rich orange yellow, with a red blotch at the base of the petals.....	.40	.15	.05
1428 Pearl. Creamy white .....	.40	.15	.05
1430 Pink. Soft rose color.....	.40	.15	.05
1429 Prince Henry. Cream, spotted and tipped red .....	.40	.15	.05
1432 Scarlet. Brilliant .....	.40	.15	.05
1434 Spotted. Rich orange, spotted crimson .....	.40	.15	.05
1436 Vesuvius. Bright salmon pink .....	.45	.15	.05
1438 Yellow. Bright, with glossy finish .....	.40	.15	.05
1447 Imported Collection. 12 dwarf varieties..			.50

LOBB'S CLIMBING NASTURTiums

(Tropaeolum Lobbianum)

These are exceedingly free-flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets, and rockeries; also for greenhouse or conservatory during the winter; 8 to 10 feet. ¼ lb. Oz. Pkt.

1492 Choice Mixed. Lobb's varieties, all colors; Per lb. \$1.25	\$0.40	\$0.15	\$0.05
1480 Asa Gray. Yellowish white .....	.50	.20	.05
1482 Brilliant. Glowing scarlet flowers .....	.50	.20	.05
1484 Giant of Battles. Yellow, blotched carmine .....	.50	.20	.05
1486 Golden Queen. Golden yellow .....	.50	.20	.05
1488 Roi des Noirs. Dark garnet red .....	.50	.20	.05
1489 Rudolph Virchow. Soft, rosy pink .....	.50	.20	.05
1490 Spitfire. Brilliant scarlet .....	.50	.20	.05
1493 Our Collection. One packet each of the above 7 Lobb's varieties for 30c.			



Lobb's Climbing Nasturtium

Tall or Climbing Nasturtiums are offered on next page



MICHELL'S FANCY NASTURTIUMS (CONTINUED)

TALL OR CLIMBING NASTURTIUMS

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet.

1474	Michell's Fancy Giant Mixed. This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest $\frac{1}{4}$ lb. varieties. Per lb. \$1.35	\$0.45	\$0.20	\$0.10
1472	Choice Mixed. Lb. \$1.00	.30	.15	.05
1475	Queen of Talls, Mixed. Silver variegated foliage, flowers of all colors....	.50	.15	.10
1473	Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed....	.60	.20	.10
1471	Hybrids of Mad. Gunther. A special strain; all shades and colors. Per lb. \$1.25	.40	.15	.05
1450	Chameleon. Produces different colored flowers on the same plant	.40	.15	.05
1452	Crimson. Rich and velvety	.40	.15	.05
1453	Hemisphaericum. Different shades of orange-salmon and scarlet	.40	.15	.05
1456	Jupiter. Color, pure deep yellow, with crinkled petals; of immense size	.40	.15	.05
1458	King Theodore. Dark foliage and flowers	.40	.15	.05
1460	Orange. A deep shade	.40	.15	.05
1459	Prince Henry. Cream, spotted and tipped red	.40	.15	.05
1461	Pearl. Creamy white	.40	.15	.05
1463	Pink. Soft rose color	.40	.15	.05
1462	Scarlet. Very bright	.40	.15	.05
1466	Vesuvius. Salmon pink	.40	.15	.05
1470	Yellow Striped Scarlet	.40	.15	.05
1476	Imported Collection. 12 tall varieties.....	.50		



Michell's Giant Tall Nasturtium

MICHELL'S COLLECTIONS OF NASTURTIUMS

One packet each	12 Dwarf Sorts	\$0.50	One packet each	12 Tall Sorts	\$0.50
" " "	6 " "	.25	" " "	6 " "	.25
" ounce	12 " "	1.25	" ounce	12 " "	1.25
" " "	6 " "	.75	" " "	6 " "	.75



Passiflora (Passion Flower)

NEMOPHILA (Love Grove)

1500	Mixed. Free-flowering annual, of dwarf, compact habit, and bearing a profusion of cup-shaped flowers; thrives best in a cool, shady situation; 1 foot	Large Pkt.	Pkt.
		\$0.15	\$0.05

NIEREMBERGIA

1521	Frutescens. Half hardy perennial; excellent for greenhouse, baskets, vases, or bedding out; flowers white tinted with lilac; 1 foot.....	.20	.10
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OENOTHERA (Evening Primrose)

	Beautiful, low-growing annual plants of easy culture with large, showy flowers.		
1523	America (New). Large flowers, which do not open until dusk, after which the plants are covered with pure white flowers; during the night they change their color to a delicate pink; as the sun rises they gradually close up	.65	.20
1525	Mixed. Annual varieties	.15	.05

PAEONY

1534	Mixed. Hardy herbaceous plants with flowers of various colors; will bloom the third year from seed; double and semi-double	.30	.10
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PASSIFLORA (Passion Flower)

1630	Mixed. Ornamental climbing plants for the greenhouse or the garden, producing showy flowers in profusion	.25	.10
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MICHELL'S GIANT PANSIES



Pansy—Michell's Giant Exhibition

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring. Pansies thrive best in moist semi-shady situations.

PANSIES IN MIXTURES

	Large pkt.	Pkt.
1595 Michell's Giant Exhibition. A blending of our own containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz. \$6.00, \$1.00 per 1/8 oz.	\$0.65	\$0.25
1608 Triumph of the Giant. Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Per oz. \$10.00, \$3.00 per 1/4 oz. ....	.75	.50
1597 Bugnot, Odier and Cassier. A superb mixture of giant blotched varieties. 1/8 oz. \$1.00	.65	.25
1599 Giant Trimardeau. Very large flowering; all colors mixed. 1/4 oz. \$0.60	.40	.10
1600 Mad. Perret. Early flowering, fragrant, especially rich in red shades; large flowering. 1/4 oz. \$1.25	.65	.25
1601 Masterpiece. New giant curled. 1/4 oz. \$1.50	.65	.25
1603 Non Plus Ultra. Beautiful colors. 1/4 oz. \$1.50	.65	.25
1605 Odier or Blotched. A beautiful strain. 1/4 oz. \$1.25	.65	.15
1607 Parisian Large Stained. Choicest colors. 1/4 oz. \$1.25	.50	.15
1609 Finest English Mixed. oz. \$1.50	.30	.10
1611 Very Fine Mixed oz. .75	.20	.05
1613 Imported Collection. 6 colors	.40	
1614 Imported Collection. 12 colors	.75	

MICHELL'S GIANT PANSIES

SEPARATE COLORS

A strain secured from the leading Pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

	1/2 Oz.	Large pkt.	Pkt.
1535 Giant Prize Azure Blue. Violet blue.	\$1.00	\$0.50	\$0.15
1537 " " Black Blue. Dark velvety.	1.00	.50	.15
1539 " " Emperor William. Ultra-marine blue	1.00	.50	.15
1541 " " Hortensia Red. Scarlet.	1.25	.50	.15
1543 " " King of the Blacks. Black	1.00	.50	.15
1545 " " Lord Beaconsfield. Violet	1.00	.50	.15
1549 " " Peacock. Upper petals blue, lower petals deep claret with white margin	2.00	.50	.15
1551 " " Snow Queen. Pure white.	1.00	.50	.15
1553 " " Striped and Mottled	1.00	.50	.15
1557 " " White with dark eye	1.00	.50	.15
1559 " " Pure Yellow	1.00	.50	.15
1561 " " Yellow with dark eye	1.00	.50	.15

SPECIAL OFFER. We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

PANSIES (Regular Sorts in Separate Colors)

	Oz.	Large Pkt.	Pkt.
1565 Belgian Striped. Showy	\$1.50	\$0.30	\$0.10
1567 Emperor William. Ultramarine blue	1.50	.30	.10
1569 Faust (King of the Blacks). Almost black	1.50	.30	.10
1571 Gold Margined. Purple, golden edge	1.50	.30	.10
1573 Havana Brown	1.50	.30	.10
1575 Lord Beaconsfield. Violet	1.50	.30	.10
1577 Mahogany Colored	1.50	.30	.10
1579 Silver Edged. Purple, silver edge	1.50	.30	.10
1581 Snow Queen. Pure white	1.50	.30	.10
1583 White with dark eye	1.50	.30	.10
1585 Yellow Gem. Pure yellow	1.50	.30	.10
1587 Yellow with dark eye	1.50	.30	.10

SPECIAL OFFER. We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

PARIS DAISY. See Chrysanthemum.

PENNISETUM, ORNAMENTAL GRASS. (See page 79.)

PAPAAVER. See Poppy.



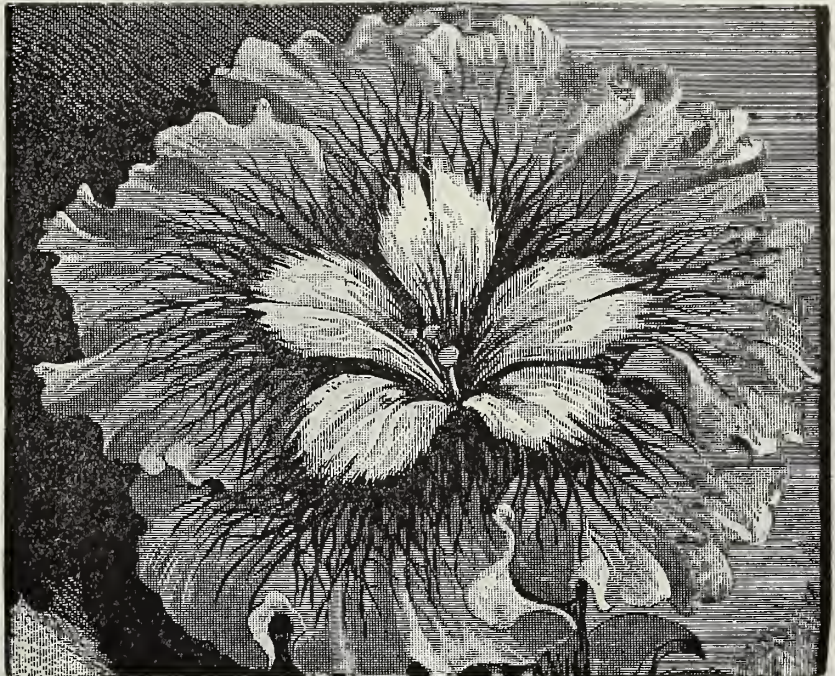
Michell's Giant Prize Pansy

MICHELL'S GLORIOUS PETUNIAS

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage; seeds must be carefully handled as they are extremely fine but the plants are of easiest culture.

SINGLE FLOWERED PETUNIAS

		Large pkt.	Pkt.
1657	California Giants. The largest flower of any petunias, bright and desirable colors, strong robust plants	\$0.65	\$0.25
1665	Grandiflora Fringed. Each petal of these giant flowers is delicately fringed and thus gives the flower a distinct appearance; all colors..	.65	.20
1669	Ruffled Giants. Immense large flowers, exquisitely ruffled and frilled .....	.65	.25
1655	Adonis. Rosy carmine with white throat .....	.40	.10
1663	Dwarf Inimitable. Of dwarf, compact habit; profuse bloomer; flowers striped .....	.40	.10
1662	Enchantress. A new dwarf variety, almost covered with flowers from early summer until killed by frost; the flowers are of many shades and colors .....	.40	.10
1672	Pepita. Fringed flowers of deep scarlet with a white border, very effective .....	.65	.25
1668	Rosy Morn (New). Dwarf, bushy plants, bearing in great profusion brilliant rose flowers with a white throat; excellent for pot culture	\$0.40	\$0.15
1671	Snowball. Compact habit; flowers pure white..	.40	.10
1673	Star (Howard's). A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinct five-pointed white star.....	.40	.15
1675	Choice Mixed. Striped and blotched; oz., \$1.00	.30	.10
1677	Fine Mixed. All colors	oz., \$0.75	.20
1679	Imported Collection. Large flowering, 6 varieties	.50	
1680	Imported Collection. Large flowering, 12 varieties	1.00	



Petunia-Grandiflora Fringed

DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

	Large pkt.	Pkt.
1659	Double Fringed White. Extra large, pure white, fringed flowers	\$0.75 \$0.25
1661	Double Fringed Mixed. Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and of choicest colors.	
	Per 500 seeds, \$1.00 .....	.25
1682	Imported Collection. Double Fringed. 6 varieties...	.75

See Novelty pages for Michell's New "Monstrosus" Petunia.

PELARGONIUM. See Geranium

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing large spikes of handsome flowers.

	Large pkt.	Pkt.
1643	Barbatus Torreyi. Spikes of brilliant coral red, very effective; June to August; 3 to 4 feet....	\$0.15 \$0.10
1646	Digitalis. Spikes of white flowers, with purple throat; July and August .....	.15 .10
1644	Sensation. Plants producing large spikes of Gloxinia-like flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection .....	.40 .15
1645	Mixed. Producing large spikes of handsome flowers; 3 feet .....	.15 .05

PERILLA

1650	Nankinensis. Ornamental annual plants with dark purple foliage; 2 feet15 .05
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PHYSOSTEGIA (False Dragon Head)

A pretty hardy perennial, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

	Large pkt.	Pkt.
1732	Virginica. Pink	\$0.20 \$0.10
1733	" Alba. White .....	.30 .10



Double Fringed Petunia



Phlox Drummondii

PHLOX DRUMMONDII

One of our finest hardy annuals, on account of its long season in bloom; easily grown from seed; makes a brilliant display as a summer bedding plant.

DWARF GROWING VARIETIES

Excellent for edgings; growing but 8 ins. tall and very compact.

1688	Cecily, Mixed.	Large flowering, dwarf compact	Lge. pkt.	Pkt.
		variety, of many beautiful colors and shades.	\$.40	\$0.10
1690	Crimson with White Eye		.30	.10
1692	Deep Scarlet		.30	.10
1693	Fair Maid.	Soft pink	.30	.10
1694	Fireball.	Brilliant scarlet	.30	.10
1696	Pink		.30	.10
1700	Snowball.	Pure white	.30	.10
1702	Violet with White Eye		.30	.10
1704	Choice Mixed	1/4 oz. 50c.	.30	.10

TALL GROWING VARIETIES

Plants grow 12 to 15 inches tall, are excellent for groups and cutting; flowers of large size.

MICHELL'S "GRANDIFLORA" STRAIN

		Large pkt.	Pkt.
1710	Alba.	Pure white	\$.30 \$0.10
1712	Coccinea.	Brilliant scarlet	.30 .10
1714	Pink		.30 .10
1716	Stellata Splendens.	Scarlet with white eye.	.30 .10
1720	Choice Mixed.	All colors	oz. 75c. .25 .10
1721	Imported Collection,	12 varieties	.75

VARIOUS PHLOXES

		Lge. pkt.	Pkt.
1722	Fine Mixed.	All colors and forms; oz. 60c.	\$.20 \$0.05
1723	Double Mixed.	Flowers with several rows of petals; fine for cutting	.30 .10
1729	Star of Quedlinburg.	Beautiful star-shaped flowers of various colors	.25 .10

HARDY PHLOX

1725	Decussata.	For a gorgeous show these are the most satisfactory of all perennials; plants 2 feet high, in all bright colors; seeds sown late in fall will germinate in the spring; mixed; 1/4 oz. 60c.	.30 .10
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PINKS See Carnations and Dianthus

PLATYCODON (Chinese Bell Flower)

1735	Grandiflorum, Blue.	A hardy perennial bearing a profusion of large bell-shaped flowers the whole season; 2 to 3 feet.	Lge. pkt. Pkt. .15 .05
1736	Grandiflorum, White		.15 .05
1737	Japonicus Fl. Pl. (Double Japanese Bell Flower).	Large glossy, deep blue flowers	.40 .15

POLYANTHUS (Primula Elatior)

Beautiful spring flowering hardy perennials, either for pot culture or for garden; succeeds best in partial shade; 9 inches.

		Large pkt.	Pkt.
1738	Gold Laced.	Flowers of brilliant colors, with distinct yellow edge	\$.50 \$0.15
1740	Double Mixed.	Beautiful colors	.65 .15
1741	English Mixed.	The best single	.30 .10



Hardy Phlox

For a brilliant display throughout the Summer, sow a bed of our Phlox



Shirley Poppies

MICHELL'S BRILLIANT POPPIES

One of our favorite and most popular flowers, producing, during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown where they are to remain, as they do not stand transplanting.

SINGLE POPPIES

	Large pkt.	Pkt.
1772 Burbank's Fancy Shirley. A strain producing flowers with exquisitely frilled edges and in the most brilliant assortment of colors.....	\$0.30	\$0.15
1773 Michell's Shirley. A bed of these poppies produces a gorgeous effect in the garden; large flowers with brilliant colors .....	.40	.05
1764 Admiral. Large flower of pure white with broad band of scarlet at edge of each petal...	.50	.10
1765 Danebrog. Flowers brilliant scarlet with a silvery-white spot on each petal; 2 feet.....	.25	.05
1769 Maid of the Mist. Large white flowers beautifully fringed; 3 to 4 feet .....	.30	.10
1771 Miss Sherwood. Satiny white with upper half of corolla chamois rose .....	.40	.10
1775 Tulip. A beautiful poppy, resembling a large tulip; color a dazzling scarlet; 1 foot .....	.50	.10
1777 Umbrosum. Rich vermilion with a deep shining black spot on each petal; 2 feet .....	.25	.05

DOUBLE POPPIES

Deep massive heavy flowers on long erect stout stems; splendid for cutting while in bud.	Oz.	Pkt.
1743 Carnation Flowered. Double fringed flowers, mixed	\$0.20	\$0.05
1745 Crimson King. Flowers perfectly round, crimson; 2 feet .....	.25	.05
1747 Fairy Blush. Flowers white, elegantly fringed and tipped with rose; 2 feet .....	.25	.05

DOUBLE POPPIES (Continued)

	Oz.	Pkt.
1751 Mikado (Striped Japanese). Double fringed flowers, white striped with crimson; 18 inches .....	.25	.05
1753 Paeony Flowered White .....	.25	.05
1755 Paeony Flowered Yellow. Very fine .....	.25	.05
1752 Paeony Flowered Scarlet .....	.25	.05
1757 Paeony Flowered Mixed. Immense double flowers resembling a Paeony; 2 feet .....	.20	.05
1759 Double Shirley. Double large flowers, mixed..	.25	.05
1763 Imported Collection. Double Paeony flowered; 6 varieties .....	.25	

PERENNIAL POPPIES

	Lge. pkt.	Pkt.
1782 Giant Scarlet (Bracteatum). Large flowers...	\$0.15	\$0.10
1784 Iceland, Single Mixed. Colors range from white and yellow to deep orange scarlet; useful for cutting; 12 ins. ....	.20	.10
1783 Iceland, White .....	.20	.10
1785 Iceland, Yellow .....	.20	.10
1786 Iceland, Double Mixed. 1 foot .....	.30	.10
1787 Orientele. Extra large flowers; deep scarlet..	.25	.10
1791 " Mrs. Perry. Rich, salmon pink...	.40	.10
1789 " Parkmanni. Deep crimson .....	.40	.10
1792 " Psyche. Delicate rosy blush.....	.40	.10
1793 " Trilby. Brilliant red .....	.40	.10
1788 " Hybrids. Beautiful flowers of large size; many colors mixed .....	.30	.10
1790 Imported Collection. Perennial poppies, 8 varieties..	.40	



Single Portulaca

PORTULACA

Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors;

	Large pkt.	Pkt.
1795 Double Mixed. All colors.....	1/4 oz., \$0.60	\$0.40 \$0.10
1797 Single Mixed. All colors.....	oz., .35	.15 .05
1799 Imported Collection. 8 Double varieties.....		.50
1800 Imported Collection. 8 Single varieties.....		.25



Michell's Prize Chinese Primula

PRIMULA

FRINGED CHINESE PRIMROSE

Our strains are unsurpassed and have won many first prizes.

- | | | |
|---|------------|--------|
| 1819 Michell's Prize Mixture. This mixture contains only the very finest sorts selected from the best strains | Large pkt. | Pkt. |
| 1808 Duchess. Large; white with zone of rosy carmine, yellow eye | \$.75 | \$0.25 |
| 1805 Alba Magnifica. White flowers with yellow eye | .75 | .40 |
| 1806 Chiswick Red. Brilliant red | .75 | .40 |
| 1807 Holborn Blue. A beautiful shade | .75 | .40 |
| 1809 Kermesina Splendens. Crimson | .75 | .40 |
| 1811 Rosy Morn. Delicate pink | .75 | .40 |
| 1813 Stellata (Sutton's). Excellent pot plant; mixed. Per original pkt. | | 1.25 |
| 1815 Fern Leaved. Choicest mixed colors | .75 | .25 |
| 1825 Imported Collection. 8 varieties | .75 | |

PRIMULA OBCONICA GIGANTEA

A great improvement over the old type; flowers much larger, and produced in greater abundance.

- | | | |
|---------------------------|------------|--------|
| 1831 Lilacina. Pale lilac | Large pkt. | Pkt. |
| 1826 Rosea. Pink | \$.65 | \$0.20 |
| 1827 Kermesina. Crimson | .65 | .20 |
| 1835 Alba. White | .65 | .20 |
| 1829 Hybrida Mixed | .65 | .20 |

PRIMULA OBCONICA GRANDIFLORA

- | | | |
|--|-----|-----|
| 1828 Compacta. Dwarf, compact plants with dense heads of large rosy lilac flowers | .65 | .25 |
| 1830 Fimbriata. Flowers fringed; mixed colors | .65 | .15 |
| 1837 Vesuvius. Deep crimson | .65 | .25 |
| 1833 Crispa (New). Large flowers, which are crisped or curled, making them very attractive; color, from apple blossom pink to rose | .25 | |

PRIMULA—(Continued)

VARIOUS SORTS

- | | | |
|---|------------|--------|
| | Large pkt. | Pkt. |
| 1845 Primula Kewensis (Verbena Scented Yellow Primrose). Spikes each 12 to 18 inches long, and bearing four to six whorls of bloom; color, soft yellow | \$.65 | \$0.40 |
| 1839 Buttercup (New). Yellow flowers; fine for pots | .65 | .25 |
| 1844 Forbesi (Baby Primrose). Small flowers; fine for pots; color, rosy lilac | .65 | .25 |
| 1842 Malacoides (New). This variety originated in the forest of Yunnan, China; resembles Primula Forbesi, but the flowers are much larger; borne in whorls on long stems; if grown in a greenhouse it will bloom in four to five months after sowing; color, a pretty light lilac | | .25 |

HARDY PRIMROSES

- | | | |
|--|-----|-----|
| 1840 Cortusoides Sieboldii. Hardy perennial variety; should have slight protection during the winter; also fine for pots; mixed colors | .65 | .15 |
| 1846 Veris (English Cowslip). Hardy perennial; fragrant; mixed | .20 | .10 |
| 1848 Vulgaris (English Primrose). The common hardy English variety; canary yellow | .40 | .10 |

PUERARIA THUNBERGIANA (Kudzu Vine)

- | | | |
|--|-----|-----|
| 1855 One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms | .25 | .10 |
|--|-----|-----|



Pyrethrum "Aureum"

PYRETHRUM

FOLIAGE SORTS FOR BEDDING

Foliage plants used for edging of ornamental beds; leaves are finely cut and of a golden yellow color.

- | | | |
|---|------------|---------------|
| 1860 Aureum (Golden Feather). Bright golden foliage; 8 inches | Large pkt. | Pkt. |
| 1864 Selaginoides. Leaves very finely cut | oz. 50c. | \$0.15 \$0.10 |
| | | .20 .10 |

FLOWERING SORTS

- | | | |
|--|-----------|---------|
| Hardy perennials; fine for borders; very desirable for cutting. | | |
| 1862 Roseum. Flowers bright rose color; July; 2 feet | Lge. pkt. | Pkt. |
| | \$.25 | \$0.10 |
| 1866 Uliginosum. Large, single white flowers; September; 6 feet | | .30 .10 |
| 1868 Hybridum Single Mixed. Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet | | .20 .10 |
| 1869 Hybridum Double Mixed | | .65 .25 |

RHODANTHE (Everlasting Flower)

- | | | |
|--|-----|-----|
| 1875 A beautiful annual, for the garden or for pot culture; mixed colors; 1 foot | .20 | .05 |
|--|-----|-----|

Our strains of Primula cannot be excelled

**RICINUS (Castor Oil Bean)**

These ornamental plants are used with great effect on lawns, as centrepieces in flowering beds such as cannas, etc.

- | | | |
|---|------------|-------------|
| 1885 Michell's Giant. A new hybrid of gigantic dimensions; the stem and stalks are covered with a blue bloom; leaves dark brown and measure 2 to 2½ feet in diameter | Oz. \$0.50 | Pkt. \$0.10 |
| 1880 Borboniensis. Beautiful green foliage; 15 feet | .15 | .05 |
| 1882 Cambodgensis. Large leaves, dark bronzy-maroon; stalk and stems nearly black; 5 feet.. | .20 | .05 |
| 1884 Gibsoni. Deep red foliage; 5 feet | .15 | .05 |
| 1886 Philippiensis. Gigantic purple foliage; 10 feet | .15 | .05 |
| 1888 Sanguineus. Blood-red stalks and clusters of red fruit; 8 feet | .15 | .05 |
| 1890 Zanzibariensis. Enormous leaves varying in color from light green to purplish red; 12 feet | .15 | .05 |
| 1891 Mixed. All sorts | .15 | .05 |

SAINTPAULIA (African Violet)

- | | |
|--|-----|
| 1910 Ionantha. Beautiful greenhouse plants, bearing a profusion of flowers resembling the violet... | .25 |
|--|-----|

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 inches.

GRANDIFLORA

- | | Large pkt. | Pkt. |
|---|------------|--------|
| 1912 Black, Yellow Veined | \$0.30 | \$0.10 |
| 1914 Carminé | .30 | .10 |
| 1916 Crimson | .30 | .10 |
| 1918 Pink | .30 | .10 |
| 1919 Our Collection. One packet each of above 4 colors, 35c. | | |
| 1920 Choice Mixed. A fine mixture | .25 | .05 |
| 1924 Imported Collection. 6 large flowering varieties... | .30 | |

EMPEROR

A new type having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold, and of immense size.

- | | | |
|--------------------------------|--------|--------|
| 1922 Choice Mixed | \$0.40 | \$0.10 |
|--------------------------------|--------|--------|

RUDBECKIA (Coneflower)

Tall growing plants, flowering profusely all summer.

- | | | |
|--|--------|--------|
| 1900 Bicolor Superba. Yellow flowers with brown Lge. pkt. Pkt. | | |
| disc in centre; annual; 2 feet | \$0.15 | \$0.10 |
| 1902 Newmani. Large yellow flowers with black centre; perennial; 2 feet; all summer | .40 | .10 |
| 1904 Purpurea (Giant Purple Cone Flower). Hardy perennial; showy reddish purple flowers, with dark brown disc; 3 feet | .20 | .10 |

*Salvia, Michell's Scarlet Glow***SALVIA (Scarlet Sage)**

This popular bedding plant is impossible to be replaced. There is nothing more effective in the fall or mid-summer than these bright scarlet flowers. Seeds should be started either in the house from February till April or in hotbeds.

- | | Large pkt. | Pkt. |
|--|------------|---------|
| 1941 Michell's Scarlet Glow. A new variety of great merit, and an improvement on the Zurich; dwarf and compact; produces early in the season a mass of bright scarlet flowers.... | \$0.65 | \$0.25 |
| 1930 Bonfire (Clara Bedman). Compact bushy plants 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers; ¼ oz. 75c. | 30 | .10 |
| 1928 Ball of Fire. A dwarf early flowering variety with long spikes of brilliant scarlet flowers; excellent for borders; 18 inches | .40 | .15 |
| 1946 Zurich. This is the earliest flowering of all salvias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost; height, 18 ins. | .40 | .15 |
| 1944 Splendens. The popular sort. Tall growing plants with bright scarlet flowers; height, 3 feet | ¼ oz. 50c. | .30 .10 |
| 1937 King of Carpets. Exceedingly dwarf growing plants with hardly any foliage and all flowers; color, brightest scarlet; very showy and distinct. | .40 | .15 |
| 1940 Patens. Bright blue flowers of large size; height, 2 feet | .40 | .15 |
| 1931 Compacta Alba. A dwarf-growing variety with pure white flowers | | .30 |
| 1927 Azurea Grandiflora. A hardy perennial variety producing during August and September spikes of pretty sky-blue flowers; 2 feet | .30 | .10 |

SANVITALIA

- | | | |
|---|-----|-----|
| 1947 Procumbens Fl. Pl. Dwarf annual with bright yellow, double flowers; useful for edgings, or in vases, baskets etc.; 6 inches | .20 | .10 |
|---|-----|-----|

*Scabiosa, Grandiflora***SCABIOSA (Mourning Bride)**

Free-flowering annuals of easy culture; splendid for cutting or garden effect; should be in every collection.

TALL GROWING VARIETIES

Flowers large and very showy, on stalks fully 2 feet high.

	Large pkt.	Pkt.
1951 Azure Fairy. Light heavenly blue	\$0.20	\$0.10
1953 Fiery Scarlet .....	.20	.05
1954 Flesh Pink .....	.20	.05
1955 King of Blacks. Deep maroon, almost black...	.20	.05
1957 Pompadour. Deep purple, edged with white...	.20	.05
1959 Sulphur Yellow .....	.20	.05
1961 Pure White .....	.20	.05
1966 Othello. Dark purple .....	.20	.10
1964 Finest Mixed	oz. 50c.	.15
1962 Dwarf Double Mixed. Plants grow but 12 ins. high; all colors	oz. 30c.	.15

HARDY PERENNIAL VARIETIES

Handsome perennial border plants flowering the entire season.

	Large pkt.	Pkt.
1950 Caucasica. Soft blue	\$0.40	\$0.10
1948 Caucasica Alba. Pure white .....	.50	.10
1965 Japonica. Lavender .....	.40	.15

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals, bearing a profusion of pretty butterfly like flowers of various colors, closely resembling some species of Orchids; also desirable for winter blooming in pots.

1968 Grahmi Niveus. A new variety with finely cut foliage, with a profusion of snowy white flowers; 2 feet	Lge. pkt.	Pkt.
	\$0.50	\$0.15
1970 Hybridus Grandiflorus. Free flowering, plants covered with flowers of many shades of orchid-like appearance; 12 inches .....	.40	.15
1971 Wisetonensis. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre .....	.65	.20
1972 Mixed. Various colors .....	.15	.05

SENSITIVE PLANT (Mimosa)

	Large pkt.	Pkt.
1975 Pudica. Curious and interesting annual plants with pinkish white flowers; the leaves droop when shaken; 18 inches	\$0.15	\$0.05

SHAMROCK

1978 True Irish. Small leaved30	.10
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SHASTA DAISY. See Chrysanthemum**SILENE (Catchfly)**

Free-flowering hardy annuals, with brilliant, showy flowers; 4 inches.

1980 Bonetti, Dwarf Pink. Plants dwarf, thickly studded with bright pink flowers .....	.40	.10
1982 Dwarf Golden Leaved. Flowers pink .....	.15	.05
1984 Double Dwarf White. A beautiful variety....	.15	.05

SMILAX

1985 A desirable greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing; 10 feet	oz. 50c.	.15
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SNAPDRAGON. See Antirrhinum**SOLANUM**

Ornamental plants for winter decoration; of dwarf, branching habit; bears a profusion of bright berries; 1 foot.

1990 Capsicastrum (Jerusalem Cherry). Bright scarlet berries; 1 foot	oz. 40c.	Lge. pkt. Pkt.
	.15	.10

STATICE (Everlasting Flower)

1993 Latifolia. Hardy perennial variety, with large, deep blue flowers; 2 feet .....	.25	.10
1995 Suworowi. An annual variety with pink flowers; fine for winter bouquets; 1 foot .....	.20	.10

STEVIA

2000 Serrata. Free blooming for summer or winter; profusion of fragrant white flowers; 2 feet....	.20	.10
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STIPA, Ornamental Grass. (See page 79.)*Stokesia, Cyanea***STOKESIA (Cornflower or Stokes' Aster)**

Dwarf tufts with stout flower stalks, 15 inches high, with large Aster-like flowers; perennial; July to October.

2055 Cyanea. Light blue	\$0.25	Lge. pkt. Pkt.
2057 " Alba. Pure white .....	.30	\$0.10

MICHELL'S "DISTINCTIVE" STOCKS

There are far too few fragrant flowers, particularly when the fragrance is pleasing; stocks enjoy the reputation of having the most pleasing fragrance of any flower save the violet; some varieties are splendid for borders, others for cutting and some for both purposes. To get the best results, sow from February till April in the house and transplant to small pots before setting out. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S "FLOWER MARKET" STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

	1/2 Oz.	Large pkt.	Pkt.
2053 White	\$1.00	\$0.40	\$0.15
2051 Flesh Color	1.00	.40	.15
2052 Rose	1.00	.40	.15
2050 Light Blue	1.00	.40	.15
2049 Dark Blue	1.00	.40	.15
2048 Blood Red	1.00	.40	.15
2054 Mixed Colors	1.00	.40	.15

MICHELL'S "DISTINCTIVE" COLUMN STOCK

Stout plants produce just one giant spike, lined with mammoth flowers; height, 3 feet.

	1/2 Oz.	Large pkt.	Pkt.
2027 Blood Red	\$1.00	\$0.40	\$0.15
2028 Pure White	1.00	.40	.15

LARGE FLOWERED DWARF TEN WEEK STOCK

For bedding there is nothing more effective; dwarf compact growing plants, producing thick short spikes of elegant double flowers.

	1/2 Oz.	Large pkt.	Pkt.
2010 Blood Red	\$0.50	\$0.30	\$0.10
2012 Light Blue .....	.50	.30	.10
2014 Pink .....	.50	.30	.10
2016 Purple .....	.50	.30	.10
2018 White .....	.50	.30	.10
2020 Yellow .....	.50	.30	.10
2022 Choice Mixed .....	.50	.30	.10
2023 Imported Collection. 8 varieties .....			.50

For the New Winter Stock, "White Lady," see Novelty pages.



Stock-Abundance



Michell's "Nice" Stock

MICHELL'S "NICE" STOCK

An early flowering strain; remarkable free bloomer, producing an abundance of large double, fragrant flowers on a single plant; fine for garden bedding or cutting.

2035 **Beauty of Nice.** Delicate soft pink. Pkt. 15c., 40c. large pkt.

2036 **Crimson King.** Brilliant fiery crimson. Pkt. 15c., 40c. large pkt.

2038 **Queen Alexandra.** Delicate lavender. Pkt. 15c., 40c. large pkt.

2034 **Victoria.** Pure white. Pkt. 15c., 40c. large pkt.

2029 **Abundance** (see illustration). Of dwarf spreading habit, bearing a profusion of flowers; color, a beautiful shade of carmine rose. Pkt. 15c., 40c. large pkt.

Midsummer Night (New). Deep dark violet. Pkt. 20c.

La Brillante (New). Very early flowering; color, rich brilliant crimson. Pkt. 20c.

Mme. Rivoire (New). Early flowering; color, pure white. Pkt. 15c.; 40c. large pkt.

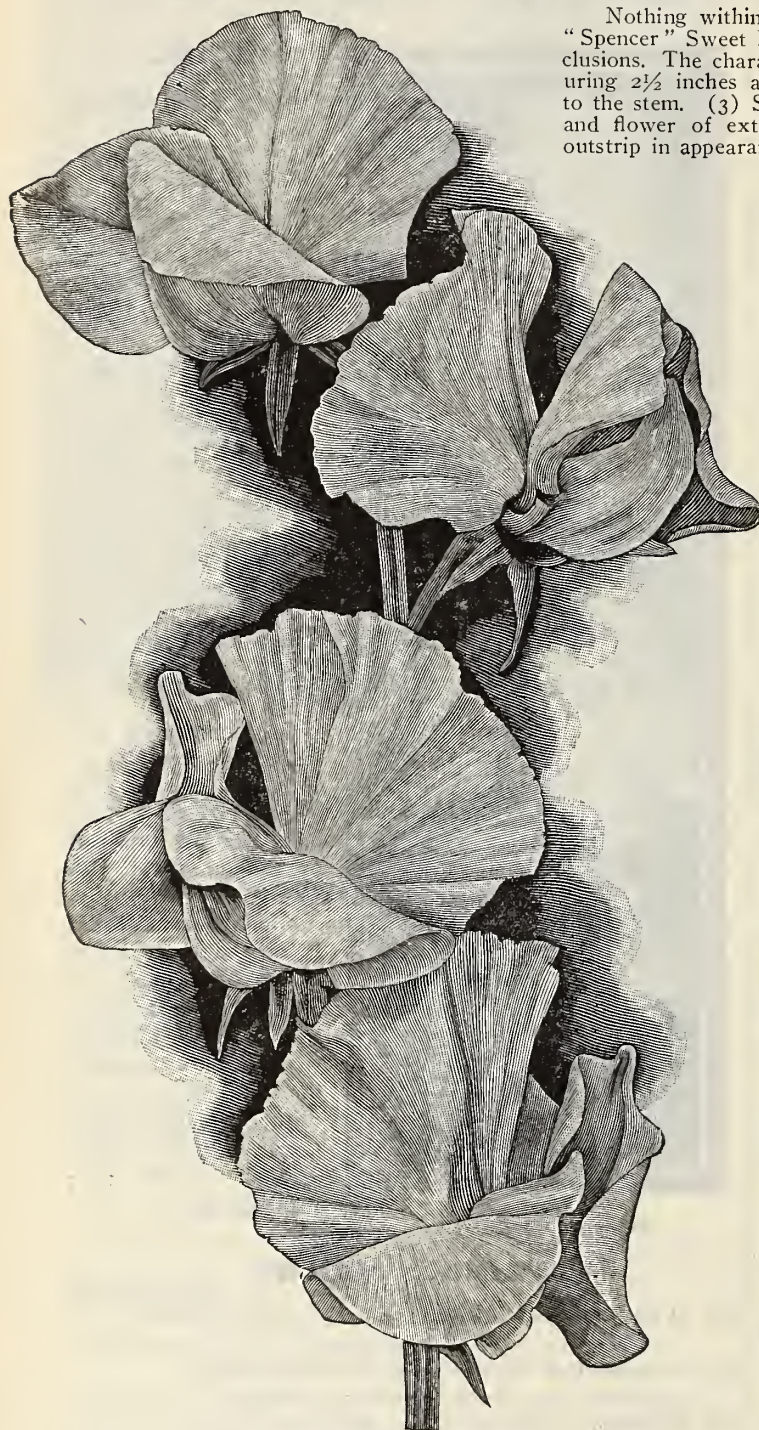
VARIOUS STOCKS

	Large.	pkt.	Pkt.
2025 Wall Flowered Leaved. Glossy deep green foliage with flowers in all shades.....	\$0.30	\$0.10	
2037 Brompton or Winter. Fine for forcing under glass or early summer flowering outdoors....	.40	.10	
2039 Excelsior. Colossal spikes with giant flowers of purest white; only one spike to a plant. Per original packet			1.00
2043 Princess Alice (Cut and Come Again). Branching plant with double pure white flowers; fine for cutting .....	.40	.10	
2031 Bismarck. Of pyramidal form with a profusion of fragrant, pure white flowers.....	.40	.15	
2047 Virginian Stock Mixed. A splendid free flowering plant, growing easily from seed sown outdoors	oz., 30c.	.15	.05



MICHELL'S "NEW SPENCER" SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. Though but few years old they revolutionize all former conclusions. The characteristics of this new type are: (1) Enormous flowers (often measuring 2½ inches across) with exquisitely wavy petals. (2) Invariably four flowers to the stem. (3) Stems averaging 12 to 15 inches in length. (4) Plant, foliage, stem and flower of extraordinary robust health. Six sprays of these new Sweet Peas outstrip in appearance 25 sprays of the older kinds.



New Spencer Sweet Peas

MICHELL'S "SUPERB" SPENCER MIXTURE

We blend this ourselves from only the Giant Waved Spencer varieties, including a number of new hybrids of exquisite colors and shades; we are sure this mixture will give absolute satisfaction. Per pkt. 10c., 20c. per oz., ¼ lb. 60c., \$2.25 per lb.

WHITE

	Pkt.	Oz.	¼ lb.	Lb.
2216 Nora Unwin. Large, pure white.....	\$0.10	\$0.25	\$0.75	\$2.50
2255 White Spencer. Clear white .....	.10	.25	.85	3.00
2201 Mrs. Sankey Spencer. Black seeded pure white .....	.10	.30	1.00	3.50
2148 Etta Dyke. Pure white .....	.10	.25	.85	3.00

LIGHT PINK

2135 Countess Spencer. A lovely clear pink, shading deeper at the edge....	.10	.30	1.00	3.50
2152 Gladys Unwin. Delicate pink .....	.10	.20	.60	2.25
2112 Blanche Ferry Spencer. Immense flowers; pink and white .....	.10	.30	1.00	3.50
2156 Florence Morse Spencer. Delicate blush with pink margin .....	.10	.30	1.00	3.50
2187 Lovely Spencer. Deep pink, shading to blush .....	.10	.30	1.00	3.50
2143 Duplex Spencer (New). Large; rich cream pink; nearly all the flowers have double or triple standards....	.15	1.00	3.50	
2197 Mrs. Hardcastle Sykes. Delicate blush pink, waved .....	.10	.25	.85	3.00
2249 W. T. Hutchins. Apricot pink.....	.10	.40	1.25	4.50
2199 Mrs. Routzahn Spencer. Buff pink .....	.10	.50	1.50	5.00
2101 Audrey Crier. Orange pink .....	.10	.30	1.00	3.50
2198 Mrs. Hugh Dickson. Salmon pink on cream ground .....	.10	.50	1.75	6.00
2157 Helen Lewis. Orange pink .....	.10	.25	.85	3.00
2191 Martha Washington. Pearl white, flushed with pink deepening towards the edges .....	.10	.50	1.75	6.00

DEEP PINK OR ROSE

2161 Geo. Herbert. Rose pink.....	.10	.30	1.00	3.50
2099 Apple Blossom Spencer. Deep pink .....	.10	.30	1.00	3.50
2189 Marie Corelli. Rich rose crimson....	.10	.40	1.25	4.50

PRIMROSE OR LIGHT YELLOW

2224 Primrose Spencer. Light yellow....	.10	.40	1.25	4.50
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LAVENDER

2100 Asta Ohn Spencer. Rich lavender..	.10	.40	1.25	4.00
2155 Flora Norton Spencer. Light laven- der10	.40	1.25	4.00
2153 Frank Dolby. Mauve lavender....	.10	.20	.60	2.25
2248 Tennant Spencer. Lavender .....	.10	.50	1.50	5.00
2147 Florence Nightingale. The largest and best lavender .....	.10	.50	1.75	6.00

BLUE AND PURPLE

2124 Captain of the Blues Spencer. Standard purple; wings blue .....	.10	.25	.85	3.00
2164 Irish Belle (New). Lovely rich lilac, flushed with pink .....	.15	1.00	3.50	

SCARLET

2169 King Edward Spencer. Bright crim- son scarlet .....	.10	.50	1.50	5.00
2154 George Washington. Crimson scarlet .....	.10	.25	.75	2.50
2254 Vermilion Brilliant (New). Intense scarlet .....	.15	2.00		
2160 George Stark. Bright scarlet .....	.10	.25	.85	3.00
2137 Doris Burt. Brilliant scarlet.....	.10	.25	.85	3.00

MAROON

2219 Othello Spencer. Deep maroon....	.10	.40	1.25	4.50
2223 Prince of Asturias. Maroon .....	.10	.40	1.25	4.50
2108 Black Knight Spencer. Large; rich, deep maroon .....	.10	.25	.85	3.00

STRIPED AND FLAKED

2103 Aurora Spencer. Striped and flaked salmon-rose on white ground.....	.10	.25	.85	3.00
2097 America Spencer. Red flakes on white ground .....	.10	.30	1.00	3.50
2145 Ethel Roosevelt. Gigantic flower of soft primrose, flaked with crimson..	.10	.30	1.00	3.50



MICHELL'S SELECTED NAMED SWEET PEAS

STANDARD VARIETIES

The varieties we offer below have been selected from a large list and embrace only the very best large flowering sorts, and for freedom of bloom, size of flowers and length of stem cannot be surpassed.

For the convenience of our customers we have arranged the different varieties according to color.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

WHITE

	Oz.	¼lb.	Lb.
2106 Blanche Burpee. Large, pure white....	\$0.15	\$0.35	\$1.15
2136 Dorothy Eckford. Extra large, white....	.15	.35	1.15
2150 Emily Henderson. Pure white .....	.15	.35	1.15
2202 Mont Blanc. Early; pure white.....	.15	.35	1.15

PRIMROSE AND YELLOW

2162 Hon. Mrs. E. Kenyon. Primrose yellow	.15	.35	1.15
2163 James Grieve. Primrose yellow .....	.15	.35	1.15

ROSE AND PINK

2110 Blanche Ferry. Pink and white .....	.15	.35	1.15
2114 Blanche Ferry (Extra Early).....	.15	.35	1.15
2146 Earliest of All. Pink and white .....	.15	.35	1.15
2166 Katherine Tracy. Soft but brilliant pink	.15	.35	1.15
2186 Lovely. Soft shell pink .....	.15	.35	1.15
2222 Prima Donna. Lovely soft pink .....	.15	.35	1.15
2226 Prince of Wales. Rose crimson.....	.15	.35	1.15

ORANGE

2194 Miss Willmott. Deep orange pink.....	.15	.35	1.15
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LAVENDER

2134 Countess of Radnor. Pale lavender....	.15	.35	1.15
2170 Lady Grisel Hamilton. Pale lavender..	.15	.35	1.15
2151 Flora Norton. Delicate lavender.....	.15	.35	1.15

CRIMSON AND SCARLET

2168 King Edward VII. Crimson scarlet....	.15	.35	1.15
2228 Queen Alexandra. Large scarlet.....	.15	.35	1.15
2242 Salopian. Scarlet .....	.15	.35	1.15

BLUE AND PURPLE

2122 Captain of the Blues. Standard light purple, wings lavender .....	.15	.35	1.15
2142 Duke of Westminster. Standard clear purple, wings violet .....	.15	.35	1.15
2214 Navy Blue. Deep violet blue .....	.15	.35	1.15

MAROON

2105 Black Knight. Deep maroon .....	.15	.35	1.15
2218 Othello. Very dark maroon .....	.15	.35	1.15

STRIPED AND MOTTLED

2095 America. Blood red striped on white....	.15	.35	1.15
2182 Lottie Eckford. White, shaded and edged with lavender .....	.15	.35	1.15

Price, any of the above Varieties 5c. per packet

SPECIAL COLLECTIONS OF SWEET PEAS

One packet each of any 14 named varieties above.....	\$0.50
One ounce each of any 14 named varieties above.....	1.50
One packet each of the foregoing 24 varieties above.....	1.00
One ounce each of the foregoing 24 varieties above.....	3.25



Michell's Christmas or Winter Flowering SWEET PEAS

The following varieties can be successfully grown outdoors in summer, but are especially desirable for forcing in greenhouse for winter blooming.

	Pkt.	Oz.	¼lb.
2245 Michell's Snowdrift. Pure white; black seeded; extra early; large flowers on long stems	\$0.15	\$0.40	\$1.25
2126 Christmas Meteor. Scarlet .....	.10	.25	.75
2127 " Pink. Pink and white.....	.10	.25	.75
2129 " White .....	.10	.25	.75
2174 Le Marquis. Large dark blue .....	.10	.25	.75
2206 Mrs. Chas. H. Totty. Lavender.....	.10	.25	.75
2207 Mrs. Edie Wilde. Carmine red.....	.10	.25	.75
2209 Mrs. F. J. Delansky. Daybreak pink...	.10	.25	.75
2210 Mrs. Geo. Lewis. Pure white .....	.10	.25	.75
2213 Mrs. William Sim. Salmon pink .....	.10	.25	.75
2211 Mrs. W. W. Smalley. Satin pink.....	.10	.25	.75
2264 Mixed. Winter flowering .....	.10	.25	.75

Zvolanek's Christmas or Winter Flowering SWEET PEAS

	Pkt.	Oz.	¼lb.
2127A Christmas Pink. Pink and white.....	\$0.15	\$0.35	\$1.00
2174A Le Marquis. Large dark blue .....	.15	.35	1.00
2203A Mrs. Alex. Wallace. Lavender.....	.15	.35	1.00
2206A Mrs. Chas. H. Totty. Lavender.....	.15	.35	1.00
2207A Mrs. Edie Wilde. Carmine red .....	.15	.35	1.00
2209A Mrs. F. J. Delansky. Daybreak pink..	.15	.35	1.00
2213 A Mrs. William Sim. Salmon pink.....	.15	.35	1.00
2211A Mrs. W. W. Smalley. Satin pink.....	.15	.35	1.00
2253A Wallacea. Lavender .....	.15	.50	1.50
2257A Watchung. Pure white .....	.15	.35	1.00
2264A Mixed. Winter flowering .....	.15	.35	1.00

MICHELL'S SUPERB SWEET PEAS



Michell's Magnificent Sweet Peas

Nitrogen Bacteria "Farmogerm"

The ideal preparation for treating sweet peas seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period. 50c. per bottle postpaid. See page 15 for full particulars.

Orange, Va.

Dear Sirs:

I must say that in an experience of 30 years in growing Sweet Peas I never before had such strong growth of vines, united with such persistent blooming and fine flowers.

Yours respectfully,
P. S.

Lumberton, N. J.

Gentlemen:

At the two Sweet Pea exhibitions held in this place the prizes awarded were to parties that grew the Sweet Peas from seed procured at your store.

Very respectfully,
C. S. R.

SWEET PEAS IN MIXTURE

The mixtures offered below have been made up by ourselves and must not be compared with some of the cheap mixtures advertised.

2258 **MICHELL'S MAGNIFICENT MIXTURE.** Great care has been taken in making this mixture, selecting only the large flowering, long stemmed varieties, a large percentage of which are of the lighter colors and shades; the finest mixture obtainable.

Price: 5c. per pkt.; per oz., 15c.; 50c. per $\frac{1}{4}$ lb.; per lb., \$1.50.

2260 **MICHELL'S GILT EDGE MIXTURE.** This mixture contains large flowering varieties and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 10c.; 30c. per $\frac{1}{4}$ lb.; per lb., \$1.00.

2263 **DOUBLE FLOWERING, MIXED.** Under favorable conditions these will produce a large percentage of double flowers of great beauty.

Price: 5c. per pkt.; per oz., 15c.; 50c. per $\frac{1}{4}$ lb.; per lb., \$1.50.

2262 **MICHELL'S SUPERB SPENCER MIXTURE.** We blend this ourselves from the choicest Giant Waved Spencer varieties, including a number of new hybrids of exquisite color and shades.

Price: 10c. per pkt.; per oz., 20c.; 60c. per $\frac{1}{4}$ lb.; per lb., \$2.25.

2292 **DWARF CUPID VARIETIES, MIXED.** Compact plants, growing 6 to 7 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of bloom; excellent for edgings or pot culture.

Price: 5c. per pkt.; per oz., 10c.; 30c. per $\frac{1}{4}$ lb.; per lb., \$1.00.



Dwarf Cupid Sweet Peas



SUNFLOWER (*Helianthus*)

SMALL FLOWERED SORTS

	Large Pkt.	Pkt.
2087 Starlight. Beautiful single canary-yellow flowers with twisted petals; 4 feet		\$0.20
2070 Cucumerifolius. Single small yellow flowers;		
oz. 25c.	\$0.15	.05
2072 Cut-and-Come-Again. Single yellow flowers with twisted petals .....	.20	.10
2082 Perkeo. Single yellow flowers, black centre; 1 foot .....	.20	.10
2088 Stella. Single golden yellow, black centre. oz. 30c.	.15	.05

SUNFLOWER—LARGE FLOWERED SORTS

2068 Chrysanthemum Flowered. Large double extremely well filled golden yellow flowers, resembling Chrysanthemums; 7 feet....oz. 30c.	.15	.05
2074 Double Globe. Large double yellow flowers on branching tall plants; height, 6 feet....oz. 25c.	.15	.05
2076 Dwarf Double. Yellow flowers; 3 feet.oz. 25c.	.15	.05
2080 Oscar Wilde. Single yellow, black centre; 6 ft. oz. 25c.	.15	.05
2084 Polar Star. Single, creamy white, black centre	.20	.10
2086 Russian Mammoth. Immense single yellow flowers on tall heavy stalks; 6 feet....oz. 10c.		.05

SUNFLOWER—PERENNIAL SORTS

Showy, garden flowers blooming the whole summer.		
2078 Golden Bouquet. Single yellow flowers, 5 feet	.25	.10
2079 Choice Mixed. Single flowering, hardy perennial sorts; will bloom the first year if sown early .....	.40	.10



Single Sweet William

SWEET WILLIAM (*Dianthus Barbatus*)

This is one of the finest of our hardy garden plants; of easy culture; thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

	Oz.	Large Pkt.	Pkt.
2306 Single Crimson	\$0.50	\$0.15	\$0.05
2307 " Red with white eye .....	.50	.15	.05
2308 " Velvety Maroon .....	.50	.15	.05
2309 " Violet with white eye .....	.50	.15	.05
2311 " White .....	.50	.15	.05
2312 " Mixed. All colors .....	.30	.15	.05
2313 Pink Beauty. An exceedingly pretty variety with beautiful salmon pink flowers .....		.40	.15
2315 Scarlet Beauty. A selection out of Pink Beauty; color, intense rich deep scarlet .....		.50	.15
2310 Auricula Flowered. A beautiful class of "eyed" single varieties, all colors mixed .....	.50	.15	.05
2314 Double Mixed	1.00	.20	.10

SWEET ROCKET (*Hesperis*)

A desirable hardy plant; excellent for naturalizing among shrubbery or for planting in a permanent border. Large Pkt. Pkt.
2300 **Mixed.** Fragrant white and purple flowers; perennial; 2 to 3 feet

SWEET SULTAN (*Centaurea Moschatus*)

Hardy annual; flowers resemble "Bachelor's Buttons"; fragrant flowers on long stems. Large Pkt. Pkt.
2305 **Mixed Colors**



Tagetes, Golden Ring

TAGETES (Single Marigold)

2320 **Golden Ring.** Dwarf bushy annual Marigold, with beautiful fern-like leaves, covered with flowers of dark brown, edged yellow; 1 foot..

THUNBERGIA (Black-Eyed Susan)

Rapid growing annual climbers, making a pretty vine for trellis, fences, rockwork, etc.; also for window boxes, hanging baskets, and vases; produces a profusion of pretty flowers. Large Pkt. Pkt.

2325 Alba Oculata. White, with black eye	\$0.20	\$0.05
2326 Alata. Buff, with black eye .....	.20	.05
2327 Aurantiaca. Orange, with black eye .....	.20	.05
2328 Mixed. All colors .....	.20	.05



Torenia, Fournieri Grandiflora

TORENIA

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets; height, 12 inches. Large Pkt. Pkt.

2337 **Fournieri Grandiflora.** Sky-blue flowers, with dark blue spots and yellow throat.....

TRITOMA (Red Hot Poker Plant)

Showy plants either for bedding, vases or pot culture.
2345 **Uvaria Grandiflora.** A most striking ornamental autumn plant; valuable for shrubberies, flower borders or beds; large spikes of orange-scarlet flowers; 3 to 4 feet

Don't fail to read pages 56 to 62 for Valuable Novelties.



Michell's Mammoth Fancy Verbena

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our *Mammoth Fancy Strain* cannot be surpassed for profusion of bloom and beautiful colors and shades.

	Oz.	Large pkt.	Pkt.
2355 Blue	\$2.00	\$0.40	\$0.10
2357 Pink	2.00	.40	.10
2359 Scarlet	2.00	.40	.10
2361 Striped	2.00	.40	.10
2363 White	2.00	.40	.10
2364 Our Collection. One packet each of above 5 colors		.40	
2365 Michell's Mammoth Fancy Mixed	1.50	.40	.10
2367 New Giant Flowered. A new variety of large size, with extra large white eyes, making them very attractive; mixed colors		.65	.15
2369 Fine Mixed. All colors	oz. 8oc.	.25	.05
2371 Lemon Scented (<i>Aloysia Citriodora</i>). An old favorite plant with delightful lemon scented foliage; excellent for growing in the garden in summer and in pots in winter		.40	.10

VALERIANA (Garden Heliotrope)

Hardy perennial border plants, large fragrant flowers; 2 to 3 feet.

	Large pkt.	Pkt.
2348 Officinalis . Showy, rose pink flowers	\$0.40	\$0.10
2350 Mixed . Red, rose or white flowers	.15	.05

VERONICA (Speedwell)

An elegant hardy perennial plant, of easy culture and free-flowering habit; of value as a cut flower or for garden effect. No hardy garden can afford to miss this. Plants grow bushy and produce long spikes of flowers.

	Large pkt.	Pkt.
2373 Spicata . Long spikes of bright blue flowers; 18 inches	\$0.30	\$0.10
2374 Virginica . Long spikes of white flowers; 3 to 5 feet	.30	.10

VINCA ROSEA (Madagascar Periwinkle)

Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

	Large pkt.	Pkt.
2375 Alba . White with rose eye	\$0.20	\$0.10
2376 Alba Pura . Pure white	.20	.10
2377 Rosea . Rose with dark eye	.20	.10
2378 Mixed	oz. 6oc.	.20 .10

VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in every shape and form, with the additional quality that they are of long stems, and appear uninterruptedly from early spring till snow flies; they require, though, a semi-shady situation, where they can find abundant moisture. If planted in the open, the bed should be well prepared by adding a large quantity of leaf mould and manure, and regular watering must be given.

	Large pkt.	Pkt.
2385 Admiration . Dark blue	\$0.30	\$0.10
2386 Lutea Splendens . Rich, golden yellow	.30	.10
2387 Perfection . Light blue	.30	.10
2388 White Perfection . Pure white	.30	.10
2384 Mauve Queen . Lovely mauve color	.30	.10
2389 G. Wermig (New). Flowers borne in great profusion on long stems, and of the identical color of the "Princess of Wales" violet		.20

VIOLET—Sweet Scented (*Viola Odorata*)

Well-known, fragrant spring-blooming plants.

	Large pkt.	Pkt.
2390 Single Blue Czar . Dark blue	\$0.40	\$0.10
2392 Single White Czar . Large white	.40	.10
2394 Single Mixed . Blue and white	.40	.10

XERANTHEMUM (Everlasting Flower)

2420 Double Mixed . Excellent for winter bouquets.	.15	.05
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For full description of the new Viola, G. Wermig, see page 62.



Viola Cornuta

WALLFLOWER

While these are perennials, they are not perfectly hardy; the plants should be lifted late in the fall and planted in a cold-frame, and removed to the garden again in the spring; the flowers are fragrant and splendid for cutting; double varieties, 2 ft.; single varieties 1½ ft.

	Large pkt.	Pkt.
2400 Double Brown	\$0.50	\$0.10
2402 " Yellow .....	.50	.10
2404 " Mixed. All colors..	.40	.10
2408 Single Mixed.....oz.	30c.	.05
2410 Imported Collection. 6 double varieties .....		.50
Paris Extra Early. A single-flowering variety, which may be treated as an annual, flowering the first year from seed.		
2407 Blood Red	\$0.20	\$0.10
2409 Yellow .....	.20	.10
2406 Mixed. All colors....oz.	.50	.15

MIXED OR WILD FLOWER GARDEN SEEDS

This mixture embraces about 100 varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Price: per pkt. 5c., 15c. per oz., per ¼ lb. 50c., \$1.50 per lb.

MICHELL'S PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many varieties of the choicest old-fashioned flowers. Price: per pkt. 10c., 40c. per oz., per ¼ lb. \$1.25.



Double Wallflower



New Giant Robusta Zinnia

MICHELL'S "DISTINCTIVE" ZINNIAS (Youth' and Old Age)

Few of our hardy annuals are more effective in the border than Zinnias. They are very easily grown, and bloom continuously from early summer until frost.

ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow extremely robust to a height of 2½ feet; have stout, straight stems crowned with gigantic, perfect double flowers, often measuring 5 to 6 inches across; splendid for cutting or garden effect.

	Oz.	Lge. pkt.	Pkt.		Oz.	Lge. pkt.	Pkt.
2466 Crimson	\$2.00	\$0.50	\$0.15	2470 Scarlet	\$2.00	\$0.50	\$0.15
2467 Flesh Color ...	2.00	.50	.15	2471 Sulphur Yellow	2.00	.50	.15
2468 Golden Yellow.	2.00	.50	.15	2472 Violet	2.00	.50	.15
2469 Purple	2.00	.50	.15	2473 White	2.00	.50	.15
				2454 Mixed .....	.90	.25	.10

TALL DOUBLE ZINNIAS

Flowers of good size; height, 2 feet.

	Oz.	Lge. pkt.	Pkt.		Oz.	Lge. pkt.	Pkt.
2440 Crimson	\$0.60	\$0.15	\$0.05	2444 White	\$0.60	\$0.15	\$0.05
2442 Pink .....	.60	.15	.05	2446 Yellow .....	.60	.15	.05
2443 Scarlet .....	.60	.15	.05	2448 Mixed .....	.50	.15	.05

DWARF DOUBLE ZINNIAS

Fine for edgings; height, 1½ feet.

	Oz.	Lge. pkt.	Pkt.		Oz.	Lge. Pkt.	Pkt.
2430 Jacqueminot.				2435 Scarlet	\$0.75	\$0.15	\$0.05
Crimson	\$0.75	\$0.15	\$0.05	2434 White .....	.75	.15	.05
2432 Pink .....	.75	.15	.05	2436 Yellow .....	.75	.15	.05
2433 Salmon Rose ..	.75	.15	.05	2438 Mixed .....	.60	.15	.05

VARIOUS ZINNIAS

2450 Curled and Crested. Large double flowers; petals curiously twisted, curled; mixed colors; 1½ feet	\$0.60	\$0.20	\$0.10
2453 Red Riding Hood. A perfect compact plant, covered the entire season with small, button-like, intense scarlet, double flowers; 1 foot .....	.75	.20	.10
2458 Zebra or Striped. Large double flowers, striped and spotted; 2 feet .....	.75	.20	.10
2462 Imported Collection; 6 dwarf double varieties.....			.25
2464 Imported Collection, 6 tall double varieties.....			.25

Summer Flowering Bulbs and Bulbous Plants

AMARYLLIS

For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pot for years; increasing each year in beauty.

Cultural Directions: Place bulbs, on arrival, in damp moss in temperature of 60° and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

Belladonna. A beautiful bright pink. 15c. each, per doz. \$1.50.

Defiance. Deep carmine, striped white. 50c. each, per doz. \$5.00.

Prince of Orange. Orange intermingled with white and green. 50c. each, per doz. \$5.00.

Formosissima. Crimson. 10c. each, per doz. \$1.00.

Hybrids of Vittata. Beautiful species, flowers striped and flaked. 50c. each, per doz. \$5.00.

Johnsoni. A very large crimson sort, striped white. Mammoth bulbs. 50c. each, per doz. \$5.00. Good size bulbs, 30c. each, per doz. \$3.00.

SMALL AMARYLLIS OR ZEPHYRANTHES (Fairly Lily)

These are strictly outdoor flowers but not hardy and must be lifted every fall. The sweet lily-like blossoms appear soon after the bulb is planted in May and continue during the entire season.

	Each	Doz.
Tretea Rosea. Pink flowers	\$0.05	\$0.50
“ Alba. Purest white .....	.05	.50

ACIDANTHERA

A native of South Africa and allied to the Gladiolus, produces graceful flower-sprays from July until September; not hardy.

Bicolor. Creamy white with red blotches in the centre of the flower. 10c. each, per doz. \$1.00, \$7.00 per 100.

CALADIUM ESCULENTUM (Elephant's Ear)

As centre pieces or specimens in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant caladiums outdoors until after May 1st, but to get them in early growth, they may be started in doors.

	Each	Doz.	100	Postage
Monster Bulbs	\$0.30	\$3.25	\$20.00	\$0.15
Mammoth Bulbs .....	.20	2.20	15.00	.10
First Size Bulbs .....	.10	1.10	8.00	.05
Second Size Bulbs .....	.07	.75	5.00	.03



New Tuberous Begonia, Crispa Type

NEW BEGONIA CRISPA

The edge of each flower petal is exquisitely frilled and crested, giving thereby the flower a charming appearance. The above illustration, which was made from an actual bloom, will convey some idea of its beauty. Every one who grows Tuberous Begonias should plant some of this variety.

Mixed Colors. 15c. each, doz. \$1.50, \$10.00 per 100.

Separate Colors. 20c. each, doz. \$2.00 \$15.00 per 100.

BEGONIAS (Tuberous Rooted)

There hardly is a single garden in which there are semi or entirely shaded spots where the average flower will not grow; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. If you have never grown them, try them this year; start your bulbs in March and have flowers in June. Plant bulbs outdoors not before May 1st.

SINGLE VARIETIES

Each	Doz.	100	Each	Doz.	100
Crimson 10c.	\$1.00	\$6.00	Scarlet 10c.	\$1.00	\$6.00
Orange 10c.	1.00	6.00	White 10c.	1.00	6.00
Pink 10c.	1.00	6.00	Yellow 10c.	1.00	6.00
Mixed				7c.	.70 5.00

DOUBLE VARIETIES

In separate colors as above	\$0.15	\$1.50	\$10.00
Mixed, all colors .....	.12	1.20	8.50

NAMED VARIETIES

Lafayette. Brilliant crimson...	\$0.20	\$2.00	\$15.00
Graf Zeppelin. Double; vermilion	.15	1.50	11.00
Bertini. Brilliant vermilion; single	.15	1.50	11.00
Cardinal. Rich cardinal red...	.25	2.25	15.00

TUBEROUS BEGONIA PLANTS (Ready in May)

	Each	Doz.	100
Single. Mixed colors.....	\$0.15	\$1.50	\$10.00
Double. “ “ .....	.20	2.00	15.00

Please add 5c. per dozen for mailing Begonias. Single bulbs mailed free.



The above illustration was made from an actual photograph of one Monster Caladium Bulb purchased from us

SUMMER FLOWERING BULBS AND BULBOUS PLANTS



GLOXINIAS

A gorgeous plant either for conservatory or garden. The plants prefer a moist soil and a shady situation. Bulbs may be started as early as January but should not be set outdoors until after May 15th. They can be easily made to bloom in the house as pot plants. Bulbs must be lifted in the fall.

	Each	Doz.	100
Waterloo. Deep purple	\$0.20	\$2.00	\$15.00
Meteor. Carmine, edged white .....	.20	2.00	15.00
Graf Zeppelin. Carmine fringed .....	.20	2.00	15.00
Nixe. White, bordered blue .....	.20	2.00	15.00
Marienthaler Kind. Deep crimson .....	.20	2.00	15.00
Unnamed varieties in the following colors: Red and Scarlet, White, Blue, White Spotted Scarlet, Scarlet Bordered White, Blue Bordered White. 15c. each, per doz. \$1.50, \$10.00 per 100.			
Mixed Colors. 10c. each, per doz. \$1.00, \$6.00 per 100.			

MONTBRETIA

Beautiful flowering hardy bulbs. Very effective in masses.
Crocsmiaeflora Type. Scarlet and yellow.

- " **Aurantiaca.** Deep golden yellow.
- " **Etoile de Feu.** Vermilion with yellow centre.
- " **Pottsii.** Large, orange scarlet.
- " **Speciosa.** Golden yellow.
- " **Rayon d'Or.** Light yellow, spotted brown.

Price of any of the above: 3c. each, doz. 30c., \$2.25 per 100.

ISMENE CALATHINA (Pancratium Lily)

One of the choicest of our summer flowering bulbs, blooming profusely during the entire season, flowers a beautiful waxy white and deliciously fragrant. Bulbs are not hardy and should be removed to the house in October. Large bulbs 15c. each, per doz. \$1.50, \$10.00 per 100.

HYACINTHUS
CANDICANS

A most showy plant attaining a height of 2 feet, with large white bell-shaped flowers. Bulbs should be taken up on the approach of winter. Very effective, when planted in masses. 5c. each, per doz. 50c., \$3.50 per 100.



Ismene (Pancratium)

FANCY LEAVED CALADIUM BULBS

(Ready in March)

Most charming conservatory plants. Being of tropical nature, they like a warm temperature. They do quite well outdoors during the summer, if planted in a sheltered, shaded place. The foliage covers a wide range of colors, and makes a grand display.

Aguape. One of the grandest. Vivid red, transparent.

Alfred Morne. Velvety red. One of the rarest sorts.

Dr. Augusto de Castro. One of the best. Red, white and green.

Hermione. Rosy-Red, ribs bright red, narrow green border.

John Peed. Glowing red centre, narrow green border.

L'Automne. Creamy-white, transparent bluish spots.

Marie Carola (New). Golden green, spotted densely with red, centre suffused with golden yellow.

Marmoratum (Alocasia Puezli). Glaucous green, white spots.

Stephen Girard. Green, marbled white, red ribs. Rare.

Triguara. Entirely red, with bronze reflections, ribs brilliant red.

White Flag. White.

Any of the above named sorts, 25c. each, doz. \$2.50, 100 \$17.50.

Mixed Varieties. 20c. each, doz. \$2.00, \$15.00 per 100.



Fancy Leaved Caladium

CALLA LILIES

These types of Callas make very useful summer blooming plants, the spotted variety may be handled somewhat like the white, winter blooming kind; the black requires very little water until fully started.

	Each	Per Doz
Black	\$0.15	\$1.50
Spotted .....	.10	1.00
Yellow (Elliotiana) .....	.25	2.50

CYCAS REVOLUTA (Sago Palm)

These interesting as well as ornamental plants may be grown from the dormant (leafless) trunk or stem with great success. Fine strong, dormant stems, ready about March 1st. 15c. per lb., 5 lbs. for 65c.

LILY OF THE VALLEY

Clumps. For outdoors only. 25c. each, per doz. \$2.50, \$18.00 per 100.

Cold Storage, Michell's Fancy Giant Flowering. The finest procurable. \$3.50 per 100, per 250 \$8.50.

Cold Storage, Berlin Brand. \$3.00 per 100, per 250 \$7.00.

(Cold storage Lily of the Valley, not less than 100 supplied.)

OXALIS (Summer Blooming)

Deppii. White, small flowers. 2c. each, per doz. 15c., \$1.00 per 100.

Lasiandra. Pink flowers. 2c. each, per doz. 15c., \$1.00 per 100.

TUBEROSES

Excelsior Pearl. Pure white, 3c. each, doz. 25c., \$1.50 per 100.

Excelsior Pearl. Mammoth bulbs. 5c. each, doz. 50c., \$3.00 per 100.

Variegated Leaved. White. 5c. each, per doz. 50c., \$3.00 per 100.

Albino. Single white. 5c. each, per doz. 40c., \$2.50 per 100.

JAPANESE FERN BALLS (Dormant)

A very attractive novelty. Full cultural directions accompany each ball if asked for. Extra large size, 40c. each, per doz. \$4.00.



A SPECIAL PINK CANNA FOR 1913



New Canna, "Pink Beauty of Hungaria"

"PINK BEAUTY OF HUNGARIA"

From what we have seen and heard, this seems to be the zenith of pink Cannas to-day. Until a few years ago, there were practically no desirable ones in this color. With the advent of "Hungaria," however, even the improved kinds have been eclipsed. The plant habit is rather dwarf and of compact growth. The magnificent trusses of rich peach blossom pink are the finest imaginable. It is a free, early and continuous bloomer, lasting right up to November in the latitude of Philadelphia. The shade is one that will immediately arrest the eye and really must be seen to be appreciated. This variety was introduced from Europe a few years ago and has not been offered previously in this country. During 1912, we experimented with this variety, having set out about 100 plants, where they came within public view. Everyone, who saw them, stood in bewilderment at their marvelous richness and beauty. The foliage is a rich green and very massive. Our stock is limited and we advise all, who want the finest pink large-flowering Canna in existence, to order at once. Strong plants ready May 1st. **50 cents each; dozen, \$5.00; \$35.00 per 100.**

MICHELL'S "DISTINCTIVE" CANNAS

These New Varieties we will furnish in roots as far as possible. When roots are exhausted we will supply plants after May 1st.

Nothing adds more dignity to a country house than a bed of Cannas, they bloom from early summer until frost making a brilliant show

Mrs. Alfred F. Conard. The greatest achievement in the line of cannas of the modern age. The gigantic flowers, which are borne in immense clusters on stalks often 5 and 6 feet tall, are of a delightful salmon pink, a shade which becomes more brilliant as the flower develops and which has never before been approached in cannas. The foliage is light green and grows almost to the flower, presenting a splendid contrast. 65c. each, doz. \$6.00.

Halley's Comet. Like a comet among the stars, this variety outclasses for brilliancy any other canna. The blazing scarlet flower has a pure yellow throat and a narrow margin around each flower petal. The cluster is large and compact and, by the predominance of yellow over the scarlet, one's eye is immediately arrested by a color that will hold the attention of even the person who might not ordinarily care for cannas. It's a grand success in the green foliage varieties. 30c. each, doz. \$3.25.



The Cannas on this page are of recent introduction and embrace the finest varieties, which have been thoroughly tested.

Rosea Gigantea. A wonderful novelty, the largest of all cannas in existence; color, a rich rose pink; flowers free, foliage green; height, 4 feet. Each 25c., doz. \$2.50.

Meteor. Each root produces from 5 to 6 trusses of bloom, which continue through the entire season. The individual blooms are of gigantic size; color, a rich deep crimson, foliage green; height, 5 feet. Each 40c., doz. \$4.00.

Minnehaha. Blossoms are extra large and come in great clusters; petals are long, gracefully curved and have wavy edges. The coloring of this flower is superb, transparent sea shell deepening through shades of cream and gold, to a centre of peach-blow pink; foliage green; height, 4 feet. Each 30c., doz. \$3.00.

Gladio Flora. Remarkable for the unusual shape of the flowers, which resemble large gladiolus. Petals are short and rounded; color, vivid crimson, changing to carmine pink, with an uneven edge of gold on each petal; foliage green; height, 3 feet. Each 30c., doz. \$3.25.

Wawa. A real good pink, has been the one wanting color in cannas and those who will grow this variety will agree with us when we say this is a lovely soft pink shade. The plants are medium dwarf, about 3 feet, and bear their flowers in immense clusters over rich green foliage. 20c. each, doz. \$2.00.

Brilliant. Flowers of medium size, borne on solid trusses; the color is a pure golden yellow with two tongue-like petals of fiery red darting from the centre of the bloom; height, 4 feet, with green foliage. 20c. each, doz. \$2.00.

Venus. Gay rosy pink with a mottled border of creamy yellow; flowers abundantly with heads erect; foliage green; height, 4 feet. Each 15c., doz. \$1.50.

Comte de Sachs. Clear crimson scarlet with immense trusses, showing well above the green foliage; flowers early; height, 4 feet. Each 15c., doz. \$1.50.

MICHELL'S SPECIAL OFFER OF NEW CANNAS

One plant each of the 10 new cannas offered on this page for \$2.75. A chance to get the best in cannas at a bargain price.

Cannas are a Distinctive Feature at Michell's "Evergreen" Seed Gardens

MICHELL'S "DISTINCTIVE" CANNAS

STANDARD LARGE-
FLOWERING VARIETIES

NOTE.—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants of any variety on this page (except where noted). 15c. each, \$1.50 per doz., per 100 \$10.00. Price of roots at bottom of page.



RED AND CRIMSON

King Humbert. Truly a king among the cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow canna or *vice versa*, placing it around a centre of a tall yellow variety. Roots 15c. each, doz. \$1.50, \$10.00 per 100. Plants 20c. each, doz. \$2.00, \$15.00 per 100.

Philadelphia. A very satisfactory crimson flowering, appearing abundantly all season; height, 3 feet; green foliage.

Pillar of Fire. Enormous bright scarlet flowers, carried erect in large clusters, appearing like torches when effectively grouped in the centre of a bed; height, 6 feet; foliage green.

Tarrytown. A dwarf variety growing 3 feet high and carrying a massive truss of deep crimson flowers far above the foliage; a solid bed of these is incomparable in beauty.

	Color of Foliage	Height
Alphonse Bouvier. Rich velvety red; an old variety but one of the best.....	green	6 feet
Black Prince. Very dark crimson	green	5½ "
Brandywine. Bright scarlet	bronze	4 "
Crimson Bedder. Deep red	green	4 "
Chas. Henderson. Fine crimson	green	4 "
David Harum. Bright vermilion scarlet.....	bronze	3 "
Egandale. Bright cherry red	bronze	4 "
Express. Scarlet crimson	green	2½ "
Wm. Saunders. Bright scarlet	bronze	4 "
J. D. Eisele. Vermilion scarlet, shaded orange.	green	3½ "
Jean Tissot. Intense scarlet, tinted orange....	green	5 "
Louisiana. Red, orchid type	green	7 "
Mrs. Kate Gray. Orange scarlet, shaded gold.	green	5 "
Pennsylvania. Deep scarlet	green	6 "
Pres. McKinley. Brilliant crimson	deep green	3 "

CANNAS IN MIXTURE

Mixed Dwarf French. Containing the best sorts only. Each 5c., 50c. per doz., per 100 \$3.50.

Tall Sorts Mixed. Elegant varieties are included in this mixture. Each 5c., 50c. per doz., per 100 \$3.50.

Price of any Cannas on this page, strong roots (except where noted), 10c. each; per dozen, \$1.00; \$6.00 per 100.

After May 1st we supply Plants at 15c. each; dozen, \$1.50; \$10.00 per 100, except as noted.

CLEAR YELLOW

Richard Wallace. A remarkably free bloomer, producing gigantic clusters of immensely large individual flowers of a pleasing shade of light yellow. It stands quite erect, about 4 feet high and is the best yellow canna on our list; green foliage.

Buttercup. A dwarf canna with true bright buttercup flowers, which are always a cheer to the eye; the foliage is broad vivid green, and this variety is splendidly adapted to edging bright or scarlet sorts; height, 3 feet.

Burbank. Of medium height (4½ feet); the semi-double yellow flowers of a rich canary shade are very attractively staged; above a light green foliage.

Austria. A tall-growing variety with gigantic blooms of a satiny texture, for that reason they are frequently called orchid cannas; pure golden yellow; 6 feet high; foliage green.

Alsace. Pale sulphur, changing to cream; green.

PINK

	Color of foliage	Height
Hiawatha. Rich rosy pink.....	variegated	3 feet
Martha Washington. Soft pink	green	3½ "
Mad. Berat. Brilliant pink.....		
Shenandoah. Soft pink	bronze	4 "

BICOLORED

Allemania. Salmon, bordered yellow, orchid.....	green	4 feet
Florence Vaughan. Yellow, spotted crimson.....	green	5 "
F. R. Pierson. Crimson, centre yellow.....	green	3 "
Italia. Golden blotched crimson, orchid.....	green	5 "
Niagara. Rich crimson, edged gold.....	green	3 "
Mme. Crozy. Scarlet, bordered yellow.....	green	3 "
Queen Charlotte. Crimson, bordered gold.....	green	3 "
Souv. de A. Crozy. Scarlet, edged yellow.....	green	3½ "

ORNAMENTAL FOLIAGE CANNAS

Robusta Perfecta. Immense dark green leaves with small red flowers; height, 7 feet. Each 8c., 75c. doz., 100 \$5.00.

Black Beauty. Effective. The leaves are enormous in dimensions and of a rich deep bronzy purple color. A grand edging for this variety is Elephant's Ears on the inside, and Scarlet Sage on the outside; height, 6 ft. **Roots**, 15c. each, doz. \$1.50, \$10.00 per 100. **Plants**, 20c. each, doz. \$2.00, \$15.00 per 100.

Musafolia. Named by its close resemblance to the old-fashioned Abyssinian Banana (Musa Ensete). It makes a tall, stately plant with rich green foliage; the flower is very small and red in color. A grand variety for background of a border; height, 6 feet.



GIANT FLOWERING CACTUS DAHLIAS

While we realize that there are far more varieties of Dahlias than what we offer, our effort has been confined to the best sorts which combine fine colorings, largest flowers and free-blooming qualities. We furnish Dahlias in strong roots or tubers, except where plants are mentioned. The roots are ready from February 1st on until stock is exhausted, after which time we furnish plants at the same price as roots. Plants do exceedingly well, flowering as early and as freely as roots. Dahlia plants are ready in May, at which time they can be set out up to July.



Cactus Dahlia Pink Pearl

RED, SCARLET AND CRIMSON VARIETIES

- Atlanta** (H.). Large, bright rich red, shaded dark.
Burbank (H.). Very rich, brilliant; dazzling red.
Floradora. Distinct Blood Red; very free flowering.
General Buller. Rich velvety crimson, tipped white.
Great Western (H.). Gigantic flowers. Bright purplish crimson. (Plants.) 60c. each, doz. \$6.00.
H. H. Thomas (H.). Of beautiful formation, deep Indian red. (Plants.) 75c. each, doz. \$7.50.
H. W. Sillem. Vermilion scarlet; long petals. 20c. each, doz., \$2.00.
J. H. Jackson. Rich velvety maroon; very large flowering. 20c. each, doz. \$2.00.
Leuchtfeuer. Brilliant blood red, with a deeper shade in it.
Mrs. H. J. Jones. Brilliant scarlet, edged blush white.
Red Admiral (H.). Rich fiery scarlet; large, full flowers. 60c. each, doz. \$6.00.
Rene Cayeux (H.). Rich glowing red, very free bloomer. 60c. each, doz. \$6.00.
Standard Bearer. Rich fiery scarlet, free bloomer.
Strahlen Krone. Intense cardinal red, rich and glowing.
Uncle Tom. Color jet black, passing to maroon.

PINK VARIETIES

- Arthur Pickard** (H.). Delicate pinkish salmon with lighter tips and base. (Plants.) 50c. each, doz. \$5.00.
Aschenbroedel (H.). The combination of rich rose and gold. 35c. each, doz. \$3.50.
Aurora (H.). Reddish apricot, suffused flesh pink, slightly tinged yellow. 30c. each, doz. \$3.00.
Brittania (H.). A deep shade of salmon pink.
C. E. Wilkins (H.). An exquisite shade of bright salmon pink. A prize winner. (Plants.) 60c. each, doz. \$6.00.
Clara J. Stredwick. Very large, salmon pink, shaded darker.
Countess of Lonsdale. Very profuse bloomer, rich salmon pink.
Kriemhilde. Delicate soft pink with white centre.

PINK VARIETIES (Continued)

- Mme. Henry Cayeux** (H.). The very finest pure pink cactus variety in existence. 65c. each, doz. \$6.50.
Mrs. James Mace. Very light, shaded white; large flower. 20c. each, doz. \$2.00.
Pink Pearl. Delicate pink, suffused white in centre.
Queen Alexandra (H.). Salmon, suffused pink.
Rosa Superba (H.). An exquisite shade of soft pink.
Rosy Morn. Bright carmine rose, lighter towards centre. 20c. each, doz. \$2.00.
Ruth Forbes. A massive flower; a beautiful clear pink. 35c. each, doz. \$3.50.
Victor von Scheffel (H.). Delicate pink, shaded rose.

WHITE VARIETIES

- Florence M. Stredwick** (H.). A very large pure white.
Keynes White (H.). An exquisite, fine variety. 20c. each, doz. \$2.00.
Pius X (H.). Very large with a sulphur tint. 25c. each, doz. \$2.50.
Perle de Lyon (H.). Of finest form, soft pure white, fluted petals. 35c. each, doz. \$3.50.
Rhein Konig (H.). Glistening snowy white with flowers 5 to 6 inches in diameter. (Plants.) 50c. each, doz. \$5.00.
Siegfried (H.). A fine form, twisted and incurved petals. 20c. each, doz. \$2.00.
Snowstorm (H.). A fine form, slightly incurved. Pure white. (Plants.) 60c. each, doz. \$6.00.
Spotless Queen (H.). Well named by reason of its exquisite pure white shade. 30c. each, doz. \$3.00.
Venus (H.). A dwarf miniature variety, very free. 30c. each, doz. \$3.00.
Winsome (H.). One of the best white Cactus Dahlias.

YELLOW VARIETIES

- Amber Queen** (H.). Rich deep amber, large heavy flower with a trace of scarlet. 25c. each, doz. \$2.50.
Cockatoo (H.). Lemon yellow, shaded rose, white centre, sometimes entirely yellow. 25c. each, doz. \$2.50.
Country Girl (H.). Golden yellow, suffused salmon pink. Very large. 25c. each, doz. \$2.50.
Dainty (H.). Yellow, suffused pink, tipped gold. 25c. each, doz. \$2.50.
Dawn (H.). Bright yellow at the base, gradually changing to cerise with light yellow tips. (Plants.) 60c. each, doz. \$6.00.
Goliath (H.). Yellow, tinted reddish salmon; very large. 30c. each, doz. \$3.00.
Johannesburg (H.). A giant flower; bright yellow, turning to gold. (Plants.) 65c. each, doz. \$6.50.
Lyric (H.). Fine yellow, shaded bronzy red.
Mrs. Clinton (H.). Deep salmon, shaded red towards centre. 25c. each, doz. \$2.50.
Mrs. Edward Mawley (H.). Pale lemon yellow, very delicate.
Mrs. J. J. Crowe (H.). Clear canary yellow; very fine.
Osprey (H.). Yellow, striped scarlet.
Prince of Orange (H.). Orange, shaded darker. 20c. each, doz. \$2.00.
Prince of Yellows. Rich shade of canary yellow. 25c. each, doz. \$2.50.
William F. Balding (H.). Orange red, shaded yellow.
William Marshall (H.). A gigantic flower; rich orange with a bright yellow centre. 60c. each, doz. \$6.00.

Price of any Dahlias on this page (except where noted), 15c. each, doz. \$1.50, \$10.00 per 100.

CANNAS, DAHLIAS AND GLADIOLUS

Is the title of a book we have issued. It contains an interesting story of each and in addition most comprehensive cultural directions. This book is free for the asking.



GIANT FLOWERING DECORATIVE DAHLIAS

PINK VARIETIES

- Delice (H.).** Soft rosy pink, of beautiful form; large flower. 35c. each, doz. \$3.50.
- Eureka (H.).** Deep clear rose, edged lighter pink.
- Jeanne Charmet (H.).** An improved Vanden Dael, with broad petaled open flowers. Bright pink, edged crimson. 40c. each, doz. \$4.00.
- Kind's Pink (H.).** Giant flower; soft pink.
- Lord Penn (H.).** A delicate shade of pale lilac; very distinct.
- Lucie Fevrier (H.).** A rich shade of rose pink, very showy. (Plants.) 75c. each, doz. \$7.50.
- Madame Vanden Dael (P.).** Shell pink, shaded deep rose. Very large flower. 30c. each, doz. \$3.00.
- Miss Nellie Stewart (H.).** Long stem; pink flowers with a light centre.
- Nymphaea (H.).** Light pink, white towards centre.
- Princess Victoria Louise (P.).** Deep rich cerise; very free flowering. 25c. each, doz. \$2.50.
- Salmon Queen (H.).** Very large flowers, soft shade of salmon.
- Virginia Maule (H.).** Large flower; delicate pink with a white centre. 25c. each, doz. \$2.50.

WHITE VARIETIES

- Flora (H.).** Very large, narrow-petaled flowers; pure white. 25c. each, doz. \$2.50.
- Henry Patrick.** Superb pure white of largest size.
- Kaiserin Augusta Victoria (H.).** Large pure white flowers. The earliest and best white decorative Dahlia. Of dwarf habit. Very profuse bloomer. 25c. each, doz. \$2.50.
- Le Grand Manitou (H.).** White ground, striped, spotted and blotched reddish violet. One of the largest Dahlias in existence. (Plants.) 50c. each, doz. \$5.00.
- Mme. A. Lumiere (H.).** Pure white, violet red tips; very distinct. (Plants.) 30c. each, doz. \$3.00.
- Mme. Helen Charvet (H.).** Pure waxy white; large open flower. One of the best whites. (Plants.) 25c. each, doz. \$2.50.
- Perle d'Or (H.).** Exquisite pure white, very large.
- Princess Julianne (H.).** Pure white; very fine form; long flower stems. (Plants.) 75c. each, doz. \$7.50.

YELLOW VARIETIES

- Clifford W. Bruton (H.).** Rich golden yellow; one of the best.
- Etoile Roannaise (H.).** Orange yellow, splashed scarlet. A brilliant combination. (Plants.) 50c. each, doz. \$5.00.
- Golden Wedding.** A very large, clear yellow; large flowers with long stems. (Plants.) 30c. each, doz. \$3.00.
- Golden West (H.).** The finest decorative yellow Dahlia in cultivation to-day. A bright canary yellow; perfectly double and a perfect form. Flowers are large and pleasing in every way. (Plants.) \$1.00 each.
- Henry F. Michell.** A combination of old gold and bronze. Flower large and of perfect shape.
- Miss Minnie McCullough (H.).** Superb soft yellow, overlaid bronze.
- Mrs. Chas. Turner (H.).** Pure yellow; flowers of an immense size. 20c. each, doz. \$2.00.
- Orange King.** Rich glowing orange.
- Professor Mansfield (H.).** Golden yellow, tipped red. Flowers often 6 inches in diameter. 25c. each, doz. \$2.50.
- Yellow Colosse (H.).** Handsome pure yellow. A free and early bloomer. 25c. each, doz. \$2.50.
- Yellow Duke (H.).** Pure canary yellow, of an enormous size, measuring from 6 to 7 inches in diameter. 25c. each, doz. \$2.50.

Price of any Dahlias on this page (except where noted), 15c. each, doz. \$1.50, \$10.00 per 100.



Decorative Dahlia—C. W. Bruton

RED, SCARLET AND CRIMSON VARIETIES

- Augusta Nonin (H.).** A large superb clear scarlet flower, on long stems. 30c. each, doz. \$3.00.
- Blue Oban (H.).** Dark reddish purple; one of the finest.
- Catharine Duer.** Bright iridescent crimson scarlet. Very large.
- Cuban Giant (H.).** Dark glowing crimson and immense flower.
- F. L. Basset.** Bright purplish crimson shaded blue.
- Governor Wilson (P.).** One of the finest in this class; bright glowing cardinal red; large flowers and profuse bloomer. 50c. each, doz. \$5.00.
- Jack Rose (H.).** Rich crimson, large full flower, very prolific.
- John Elitch (H.).** A very large flower, deep crimson.
- Le Colosse (H.).** Gigantic size, bright cerise flowers; free and early. 35c. each, doz. \$3.50.
- Lyndhurst (H.).** Bright scarlet, large full flower.
- Maid of Kent (H.).** Cherry red, tipped white, at times all red.
- Monsieur Hoste (H.).** Carmine, suffused vermillion; large blooms. (Plants.) 35c. each, doz. \$3.50.
- Papa Charmet (H.).** Coral red, overlaid maroon; large open flowers. 50c. each, doz. \$5.00.
- Souvenir de Gustave Douzan (H.).** Largest decorative Dahlia, measuring often 8 inches in diameter. Color is a beautiful red.
- William Agnew (H.).** Glistening scarlet crimson, very large.
- Zulu (H.).** Dark maroon, almost black.

CANNAS, DAHLIAS AND GLADIOLUS

is the title of a booklet we have issued, covering the culture of the above popular subjects; mailed free or included with orders if asked for.

Dahlia Plants where offered are ready in May.

NOTICE.

It sometimes occurs as the season advances that we are not able to deliver field roots, in which cases we send out strong thrifty plants at the same price. These give equally good results, blooming the same season.



GIANT FLOWERING DOUBLE, OR SHOW DAHLIAS



Show Dahlia Mrs. Roosevelt

RED, SCARLET AND CRIMSON VARIETIES

- Black Diamond** (H.). Rich velvety maroon, shaded black.
Bon Ton (H.). Deep rich garnet in full perfect form.
Crimson Globe (H.). Beautiful shade of rich crimson.
Hero (H.). Deep crimson maroon, shaded purple.
Jamaica (H.). Royal purple, shaded dark maroon; large flower.
Le Geante (H.). Rich maroon, shaded purple; of enormous size. 60c. each, doz. \$6.00.
Maid of Kent (H.). Cherry red, tipped white.
Paul's Scarlet (H.). Very bright fiery scarlet.
Prince Bismarck (H.). Rich purple; handsome large flowers.
Red Hussar (H.). Bright red; very showy and free flowering.
Ruby Queen (H.). Ruby red, richly shaded; large flowers.
S. Mortimer (H.). Fine, deep rich purple. Perfect form and habit. (Plants.) 30c. each, doz. \$3.00.
Warrior (H.). Intense scarlet; flowers very large and long-stemmed; fine for cutting. 25c. each, doz. \$2.50.
Willie Garrett (H.). Rich crimson scarlet, profuse bloomer.

PINK VARIETIES

- A. D. Livoni** (H.). Beautiful clear pink; very free flowering.
Caleb Powers (H.). Petals of a delicate pink with a white centre. Large perfect blooms. 50c. each, doz. \$5.00.
Dorothy Peacock (P.). Delicate rose pink, with a full white centre. One of the very best of the newer sorts. (Plants.) 60c. each, doz. \$6.00.
Eloise (H.). A variation of white and pink, margined crimson.
John Thorpe (H.). Delicate soft pink; handsome flower.
Mme. Alfred Moreau (H.). Pure mauve pink. One of the finest. 30c. each, doz. \$3.00.
Mrs. Gladstone (H.). Delicate shell pink. Unusually fine flowers.
Mrs. J. Gardner Cassatt (H.). Deep rose pink. One of the finest ever introduced. (Plants.) 35c. each, doz. \$3.50.

PINK VARIETIES (Continued)

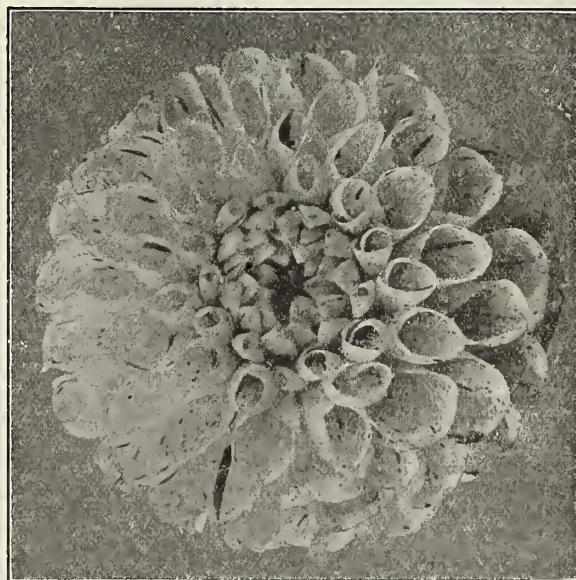
- Mrs. Langtry** (H.). Combination of peach pink, crimson and purple.
Mrs. Roosevelt (H.). Beautiful light pink, shaded white towards centre. One of the most popular Dahlias ever introduced. Nothing has been found to take its place. 30c. each, doz. \$3.00.
Progress (H.). Clear soft pink, penciled and spotted crimson. A fine large flower. 25c. each, doz. \$2.50.
Susan (H.). Delicate shell pink, remarkable free bloomer. (Plants.) 25c. each, doz. \$2.50.

WHITE VARIETIES

- Dreer's White** (H.). Very large. A beautiful form. Pure white. 30c. each, doz. \$3.00.
Grand Duke Alexis (H.). Very large and pure white, tinted lavender.
John Walker (H.). Large flowers of pure white.
Mad. Heinr. Furtado (H.). One of the best pure white sorts, being unusually fine. 30c. each, doz. \$3.00.
Miss Alice King (H.). Exquisite ivory white, shaded rose.
Penelope (H.). Very large white, with lavender blotches.
Storm King (H.). Of compact growth of large pure white flowers. One of the best. 25c. each, doz. \$2.50.
White Swan (H.). Large long-stemmed pure white flowers.
W. W. Rawson (H.). A gigantic flower. White ground, blushed amethyst-blue. (Plants.) 60c. each, doz. \$6.00.

YELLOW VARIETIES

- Arabella** (H.). Pale primrose, tipped and shaded rose and lavender.
Chas. Lanier (H.). Very large. Amber, shaded buff. One of the freest bloomers. 25c. each, doz. \$2.50.
Duchess of York (H.). Lemon yellow, tipped pink.
Gold Medal. Bright canary yellow, marked with splashes of red. 25c. each, doz. \$2.50.
Lemon Beauty (H.). A beautiful soft shade of lemon yellow.
Lucy Fawcett (H.). Sulphur yellow, striped carmine rose. Most attractive combination. 25c. each, doz. \$2.50.
Mary D. Hallock (H.) (*Queen Victoria*). Very deep.
Mrs. Dexter (H.). Very large flower of rich salmon shade.
Orange King (H.). Brilliant orange scarlet. A handsome flower.
Princess Victoria (H.). Rich canary yellow; a free bloomer on long stems. 25c. each, doz. \$2.50.



Show Dahlia Gold Medal

Price of any Dahlias on this page (except where noted), 15c. each, doz. \$1.50, \$10.00 per 100.



GIANT PAEONY-FLOWERED AND POMPON DAHLIAS

*Paeony-Flowered Dahlia Bertha von Suttner***RED, SCARLET AND CRIMSON VARIETIES**

- Cleopatra** (H.). Oriental red, with yellow base.
Dr. Peary (H.). The finest of the dark-colored sorts. A rich velvety mahogany. (Plants.) 75c. each.
Duke Henry (H.). Brilliant crimson.
Geisha (H.). A most wonderful combination of rich red and yellow, producing an enormous flower. (Plants.) 60c. each, doz. \$6.00.
Germania (H.). Bright crimson. 15c. each, doz. \$1.50.
Mannheim (H.). A soft shade of orange red. (Plants.)
Paul Kruger (H.). Red, suffused with white; very fine.
Sensation (P.). Vermilion red, tipped snow white.
Solfatare (H.). Carmine red with a yellow centre. Exceedingly brilliant. 30c. each, doz. \$3.00.

PINK VARIETIES

- Andrew Carnegie** (H.). Salmon pink, shaded bronze; looks like a giant sunflower. (Plants.) 60c. each, doz. \$6.00.
Bertha von Suttner. Mammoth flowers, stout stems, delicate salmon color with a touch of yellow. (Plants.) 60c. each, doz. \$6.00.
Glory of Baarn (H.). Soft pink; very large blooms, often measuring 7 inches. (Plants.)
H. Hornswelt (H.). A fine shade of salmon pink. One of the best of the Paeony Dahlias. (Plants.) 50c. each, doz. \$5.00.
Miss Gladys Dawson (H.). Soft salmon rose. (Plants.)
Queen Emma (H.). Soft rose pink; very delicate.

WHITE VARIETIES

- Alice Roosevelt**. White with a shading of lilac, very delicate and pretty. (Plants.) 75c. each, doz. \$7.50.
Cecilie (H.). Very large, creamy white; fine for cutting. (Plants.) 50c. each, doz. \$5.00.
H. J. Lovink (H.). White, shaded lilac, of enormous size. (Plants.) \$1.00 each.

WHITE VARIETIES (Continued)

- King Leopold** (H.). Fine creamy white; large.
Queen Wilhelmina (H.). Large flower, pure white.
Schneewittchen (H.). The very finest of the pure white, Paeony-flowered type. (Plants.) 40c. each, doz. \$4.00.

YELLOW VARIETIES

- Caesar** (H.). Beautiful flower of enormous size. Clear canary-yellow. (Plants.) 75c. each doz. \$7.50.
Glory of Groenekan (H.). A handsome shade of rich orange yellow. (Plants.) 40c. each, doz. \$4.00.
Hugo de Vries (H.). Handsome combination of orange and brown, resulting in a beautiful flower. 50c. each, doz. \$5.00.
Merveille (H.). A suffusion of dark and light yellow. The handsome large flowers are borne on long stems. (Plants.) 30c. each, doz. \$3.00.
P. W. Jansson (H.). Rich orange yellow, of a pleasing shade. (Plants.) 25c. each, doz. \$2.50.

Price of any of the Paeony-flowered Dahlias on this page in strong roots (except where noted), 25c. each, doz. \$2.50, \$15.00 per 100.

*Pompon Dahlia Philip Freud***POMPON DAHLIAS**

- These are miniature Double or Show Type. For dinner table decoration, design work or bedding, they are unusually attractive.
Alewine (H.). White, flushed pink, fine variety.
Allie Mourey (H.). Light pink, tipped deep pink.
Daybreak (H.). One of the best of the Pompon varieties. A soft delicate pink color.
Fairy Queen (H.). Sulphur yellow, edged deep pink.
Guiding Star (H.). The best pure white Pompon.
Klein Domitea (H.). Salmon-buff; very profuse bloomer.
Little Herman (H.). Deep red, tipped white; splendid variety.
Philip Freud (H.). Rich orange salmon. A perfect form.
Snowclad (H.). One of the best; perfect form; pure white.
Star of the East (P.). Pure white. A great favorite.

Price of any of the above Pompon Dahlias, 15c. each, doz. \$1.50, \$10.00 per 100.

Dahlia Plants Are Ready in May



GIANT SINGLE, CENTURY AND COLLARETTE DAHLIAS

GIANT SINGLE VARIETIES

The varieties offered below are the best of this class. They are especially fine for cut flowers; profuse bloomers and of fine form and brilliant colors.

- Big Chief (H.).** Of enormous size; crimson, margined maroon.
Blackbird (H.). Black velvety maroon with a bright red spot at the base of each petal; fine for massing.
Gaillardia (H.). Golden yellow with a broad band of red around a yellow centre.
Gorgeous (H.). Brilliant dazzling scarlet with an occasional white stripe or a pure white petal.
Jack (H.). Fiery scarlet, base of petals golden yellow with broad, recurved petals. Profuse bloomer.
Merry Widow (H.). A profuse bloomer. Deep scarlet. Very striking. 25c. each, doz. \$2.50.
Rebecca Mahew (P.). Pure white. Of exquisite form. Very early and profuse bloomer. 25c. each, doz. \$2.50.
Souvenir de Franz Liszt (H.). Deep rich garnet. Very large flower.
St. George (H.). Very large, pure yellow. The best yellow of its class.
Wildfire (P.). Intense brilliant scarlet; fine form and profuse bloomer.
 Price of any of the above Single Dahlias, in strong roots (except where noted), 20c. each, doz. \$2.00.

COLLARETTE DAHLIAS

This beautiful type of Dahlia is rapidly becoming popular. It resembles the large single type and has in addition a distinct row of shorter petals around the centre. Blooms very freely.

- Albert Maumene (H.).** A beautiful shade of light pink, with a white and pink collar. Of very erect growth. (Plants.) 75c. each.
Director Rene Gerard (H.). Creamy white, suffused purple; collar creamy white; flowers very large. (Plants.) 60c. each, doz. \$6.00.
Exposition de Lyon (H.). Rich garnet; collar white striped and splashed crimson. 25c. each, doz. \$2.50.
Henri Farman (H.). Brilliant cardinal red, at times edged creamy yellow, with a light cast around a golden centre; collar creamy yellow. (Plants.) 60c. each, doz. \$6.00.
Maurice Rivoire (H.). Blood red, darker towards centre. Collar white and fringed. 20c. each, doz. \$2.00.
Mme. E. Poirer (H.). Deep purple, suffused lighter, which give a violet blue effect; white collar. (Plants.) 75c. each, doz. \$7.50.



Collarette Dahlia

COLLARETTE DAHLIAS (Continued)

- Mme. Gygas (H.).** Bright cochineal red, with yellow tips. Long petaled collar of a primrose yellow shade. (Plants.) 60c. each, \$6.00 doz.
Mons. Louis Ferard (H.). Deep claret, edged, tipped and blotched white. Collar of same color and with very long petals. (Plants.) 60c. each, doz. \$6.00.
Signorina Rosa Esingrini (H.). Brilliant deep scarlet, suffused crimson. Yellow collar splashed red. A gorgeous flower. (Plants.) 60c. each, doz. \$6.00.
Souvenir de Chavanne (H.). Golden yellow, suffused brilliant scarlet. Yellow collar, tipped creamy white. (Plants.) 60c. each, doz. \$6.00.



Twentieth Century Dahlia

CENTURY VARIETIES

This comparatively new class of Dahlias has quickly become a general favorite. Owing to their immense size and beautiful colors and shades, they are invaluable for cutting. The flowers often measure 6 inches in diameter and are borne on long stems.

- Crimson Century (H.).** Deep glowing crimson, tipped rose, with pink centre.
Eckford Century (H.). Pure white, spotted, penciled and splashed crimson. (Plants.) 50c. each, doz. \$5.00.
Fringed Century (H.). Bright rosy crimson, with fringed petals. (Plants.) 40c. each, doz. \$4.00.
Fringed Maroon Century (H.). Dark velvety maroon, with divided petals. (Plants.) 40c. each, doz. \$4.00.
Pink Century (H.). Clear shell pink, suffused rose.
Rose Pink Century (H.). Enormous flower, very deep pink.
Scarlet Century (H.). Brilliant red, with a golden yellow disc.
Spanish Century (P.). Pure yellow, splashed and striped scarlet. (Plants.) 40c. each, doz. \$4.00.
Twentieth Century (H.). Rosy crimson, shaded white. Towards end of the season is almost pure white, with a pink shading.
Wildfire Century (P.). Brilliant rich scarlet. One of the best of the single sorts.

Price of any of the above Century Dahlias, in strong roots (except where noted), 20c. each, doz. \$2.00.

UNNAMED DAHLIAS

	Each	Doz.	100
Double White	\$0.12	\$1.25	\$9.00
" Pink .....	.12	1.25	9.00
" Red .....	.12	1.25	9.00
" Yellow .....	.12	1.25	9.00
" Mixed, all colors .....	.10	1.00	7.50
Single Mixed, all colors .....	.10	1.00	7.00

Dahlia Plants Ready in May are Furnished when Stock of Roots is Exhausted



SUPERB GLADIOLUS

What a wonderful stride this flower has made during recent years. Its popularity to-day is exceeded by few other flowers and it has by no means reached its limit. And there are good reasons for this popularity. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

MICHELL'S CHOICE MIXTURES

GIANT FLOWERING MIXTURE (see illustration). Every bulb for this mixture has been selected with utmost care for coloring, size of flower and purity, no other mixture can boast of such careful selection. 5c. each, per doz. 50c. \$3.50 per 100, \$30.00 per 1000.

GOLD MEDAL STRAIN MIXTURES

This strain originated with the celebrated Gladiolus Specialist, Mr. Groff, who after careful reselection considers what is offered as the Gold Medal Strain, the very cream of all his collection. In order to distinguish between the Gold and Silver Trophy Strain, we wish to state that the selection has been made along these lines, larger flowers, rarer colors, ideal stems and types of extended flowering period. These are equal to the best named varieties, but simply have never been christened.

Section 1. All shades and combinations of red, scarlet and crimson. Each 15c., \$1.50 per doz., \$10.00 per 100 by express collect.

Section 2. Contains all the finest shades of yellow, delicate pink, rose and white. Each 20c., \$1.75 per doz., \$12.50 per 100 by express collect.

Section 3. This embraces all the shades of blue, heliotrope, mauve, lilac, and similar colors. (No smoky or slate blues.) Each 25c., \$2.25 per doz., 25 bulbs \$4.00 postpaid, 50 bulbs \$7.75 postpaid, \$15.00 per 100 by express collect.

SILVER TROPHY STRAIN MIXTURES

Before the Gold Medal strain (mentioned above) was known, the mixtures under that title were the choicest selection of the same specialist. It constitutes to-day a very superior selection of what is generally known as mixture, and offers the opportunity to do one's planting in shades of the same character.

Section 1. This embraces all the shades of scarlet, red and crimson, care being taken to eliminate the objectionable ones. 6c. each, per doz. 50c., \$3.25 per 100.

Section 2. The cream of all the yellow, pink, white and light shaded colors. 8c. each, per doz. 75c., \$5.00 per 100.

Section 3. Lilac, heliotrope, violet and all the shades of light and dark blue compose this selection. The colors are most exquisite. 8c. each, per doz. 80c., \$6.00 per 100.

Groff's New Hybrids. Extra fine \$0.04 \$0.30 \$2.00 \$18.00

Lemoines. Butterfly. Brilliant varieties04 .30 2.00 17.00

Childsii. A distinct mammoth type05 .50 3.75 30.00

Extra Choice. All colors mixed03 .30 1.50 12.00

UNNAMED GLADIOLUS (In Separate Colors)

	Each	Doz.	100	1000
White and Light Shades	\$0.04	\$0.35	\$2.50	\$20.00
Yellow in all Shades .....	.06	.60	4.00	37.50
Scarlet and Crimson .....	.04	.30	2.00	15.00
Pink and Rose .....	.04	.35	2.00	18.00
Striped and Variegated .....	.05	.40	3.00	25.00

SPECIAL COLLECTION OF NAMED GLADIOLUS

As an inducement to popularize the choicer named Gladiolus, we offer the following collections at attractive prices; for this reason the selection must be our own, customers may be sure, however, of getting a wide range of colors.

				Price
Collection No. 1.—	12 bulbs,	1 each of 12 varieties,	our selection....	\$0.75
Collection No. 2.—	25 " 1 " 25 " " " " " " " " " " " "			2.00
Collection No. 3.—	50 " 2 " 25 " " " " " " " " " " " "			3.75
Collection No. 4.—	100 " 4 " 25 " " " " " " " " " " " "			7.25

GLADIOLUS, CANNAS AND DAHLIAS

A comprehensive treatise on these important popular flowers, giving up-to-date cultural instructions. Free for the asking.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.

MICHELL'S NAMED GLADIOLUS

We can justly claim superiority for Michell's Gladiolus Bulbs, as many of them are grown under our own supervision at Michell's Evergreen Seed Gardens, where we are able (due to the excellent soil) to produce plump, heavy bulbs, which are much more productive than those grown usually on gladiolus farms.



America

America. A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded; many being open at one time. Each 10c., 75c. per doz., per 100 \$5.00.

Attraction. Immense flowers of a most pleasing deep rose, with white throat, this marking being very effective. Each 8c., 85c. per doz., per 100 \$6.00.

Augusta. A lovely variety for the garden, producing graceful, slender stems, which are dressed entirely with open flowers of white, slightly tinged and striped pink. Each 6c., 60c. per doz., per 100 \$3.50.

Baron Joseph Hulot. Deep indigo blue slightly marked white at the base of the throat; very attractive when arranged with yellow flowers in a vase. 15c. each, doz. \$1.50, \$8.00 per 100.

Brenchleyensis. Splendid for garden effects, as all the flowers appear at one time; vermilion scarlet color, ideal for planting in front of shrubbery. 3c. each, doz. 25c., \$1.75 per 100, 1000 \$15.00.

Canary Bird. Canary yellow, a very massive spike closely set with flowers. 10c. each, doz. \$1.00, \$7.50 per 100.

Cardinal. A perfect spike and flower of intense cardinal red, very rich and showy, representing one of the finest varieties. Each 15c., \$1.50 per doz., per 100 \$11.00.

Contrast. One of the most showy of all gladiolus. The intense dazzling scarlet flower presents a striking contrast with a combination of a pure white band around each petal and a conspicuous marking of white in the throat; pleasing on sight. 50c. each, doz. \$5.00.

Dawn (Groff's). A gigantic spike with colossal wide open flowers of peach-blow pink, with a creamy yellow blotch in the throat, which enhances the exquisiteness of the color; one of the best introductions in recent years. \$1.00 each.

Eugene Scribe. Large open flowers of a tender rose shade, blazed carmine. 8c. each, doz. 75c., \$5.00 per 100.

Europe. A sensational novelty, spikes of which average 5 feet and are dressed with gigantic flowers of purest white without a trace of any other color. The spikes are very broad, as three flowers appear usually together in a line; a single spike averages 25 blossoms. \$1.00 each, doz. \$11.00.

George Paul. One of the largest flowering varieties, produced in great numbers on graceful, slender stems; color, rich crimson. 10c. each, doz., \$1.00, \$7.00 per 100.

Glory (Kunderdi). Introduced by us in 1911. It is the first of a new race with waved or ruffled petals, and this feature alone places it in a class all by itself. It has more vigor than any other variety, producing a broad deep green foliage with massive spikes, which in good garden soil grow 5½ feet high. The flower itself is very large, of creamy pink with a penciling of crimson in the throat. 15c. each, doz. \$1.50, \$10.00 per 100.

I. S. Hendrickson. A beautiful irregular mottling of white and rose; in some the pink and in others the white predominates; flowers immensely large. 10c. each, doz. \$1.00, \$7.50 per 100.

Jean Dienlafoy. One of the earliest to flower. The lovely creamy white blooms are decorated with a conspicuous blotch of red in the throat, which makes it very attractive. 15c. each, doz. \$1.50, \$10.00 per 100.

Kate. Blush white with a crimson throat. 10c. each, doz. 75c. \$5.00 per 100.

Klondyke. Clear primrose yellow with a crimson blotch in the throat, of dwarf habit. 10c. each, doz. 75c., \$5.00 per 100.

La Luna. An extremely choice variety on account of the large size of bloom and its splendid color. The exquisite pointed buds appear in primrose yellow, a color which changes, as the flower opens, to a clear creamy white; a very conspicuous blotch of blood red adds beauty to the combination; robust grower. 60c. each, doz. \$6.00.

CULTURAL HINTS ON GLADIOLUS

A sunny location is very essential. The soil should be one that has natural drainage, and should be thoroughly enriched with well-rotted manure. Set the bulbs out about May 1st. To get best effects, have about 6 inches of space between them. They usually flower 90 days after planting. In order to have a succession of flowers until frost, make a planting about every 10 days, up to July 1st. It is advisable to purchase the bulbs at one time, as they are frequently not obtainable later in the season. While growing, bulbs should be thoroughly cultivated, and should be given a top-dressing of Sheep Manure and Bone Meal. As the bulbs begin to flower, plants should be supported with a suitable stake, to prevent them from breaking off.

Cannas, Dahlias and Gladiolus

Is the title of a book we have issued. It contains an interesting story of each and in addition most comprehensive cultural directions. This book is free for the asking.



Glory

May. A fine white delicately flecked crimson; a slender spike, extensively used for forcing. 5c. each, doz. 50c., \$3.00 per 100.



MICHELL'S NAMED GLADIOLUS (Continued)



Mephistopheles

Mephistopheles. Large flowers of bright red, effectively marked with yellow, giving the blooms a bizarre appearance. 15c. each, doz. \$1.50, \$10.00 per 100.

Mrs. Francis King. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. Many of the bulbs produce two and three flower-spikes; a gem among gladiolus. 5c. each, doz. 50c., \$3.50 per 100.

Mrs. Frank Pendleton, Jr. One of the most exquisitely colored and formed gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the centre. The blooms are wide open and are arranged individually on the very slender but wiry stems, which fall gracefully when arranged in vases. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. The most sensational gladioli novelty. 60c. each, doz. \$6.00, \$45.00 per 100.

Niagara. An entire new color in Gladiolus, to describe it intelligently one must imagine a shade of rich cream combined with canary yellow. The form and habit of this variety is exactly like America, except that the spike grows taller. The individual flowers are very large and borne in pairs opposite each other. 30c. each, doz. \$3.00, \$22.50 per 100.

Panama. On account of its habit, color and form, it is destined to become the most popular gladiolus in the near future. For form and habit, it has all the desirable features of the variety "America," but the wonderful color can best be described by comparing it with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. The spikes are tall and very robust and many flowers appear at one time. \$1.00 each, doz. \$10.00.



Mrs. Frank Pendleton



Gladiolus Peace

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows the enormous flowers well placed all along the stem. 'Tis of wonderful vitality, being a splendid keeper when cut. "Peace" flowers mid-season and late, when the best of other gladiolus are gone. 25c. each, doz. \$2.50, \$18.00 per 100.

Pink Augusta. A grand new gladiolus, especially fine for bedding or cutting, it has all the fine characteristics of the "White Augusta," which is vigorous, has straight stems and is free blooming, and all flowers on a stem open at one time. The color is a pleasing pink and thereby fills a niche in the class of popular gladiolus. 10c. each, doz. 75c., \$5.00 per 100.



MICHELL'S NAMED GLADIOLUS (Continued)

*Princeps*

Primulinus (Maid of the Mist). One of the finest species from South Africa; a very thin, wiry, slender stem is decked with clear canary yellow flowers of medium size, of which but 2 or 3 are open at one time. The form of the blooms is exceedingly interesting; the upper petal being hooded, the attached two lower petals being expanded, gives it a striking appearance. For cutting or house decoration it is invaluable and most graceful. 15c. each, doz. \$1.50, \$10.00 per 100.

Primulinus Major Hybridus (Novelty 1913). We have the pleasure of offering here for the first time to the American public a novelty of unusual importance. From the original species our grower has produced by crossing and re-crossing into the finest large flowering varieties an entire new form of gladiolus, resembling, to a slight degree, the form of the original flower, but all petals being wide open and of extra large size. Its most commendable feature is the range of colors. From the purest and lightest of yellow down to the deepest orange and from the softest shade of salmon pink down to rich crimson, also a few white. Dainty blotches in the throat add to their beauty. They are borne on graceful slender stems. 20c. each, doz. \$2.00, \$15.00 per 100.

Princeps. Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 10c. each, doz. \$1.00, \$7.50 per 100.

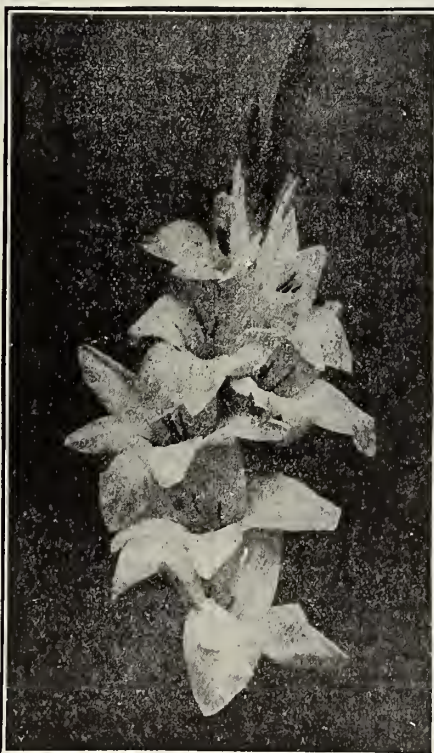
Rochester White. A splendid novelty, producing spikes 4 feet high, completely covered with wide open flowers of the purest white; the throat shows a slight shading of whitish green, which really adds to the purity of the white. It is without doubt the finest pure white Gladiolus for cutting. \$1.00 each, doz. \$12.00.

Rosella (Kathryn). A perfect orchid in color and texture; delicate cattleya pink, with white throat and veinings. Flowers are very large and many are open at one time. 15c. each, doz. \$1.50, \$12.00 per 100.

Scarsdale. Long, graceful spikes of wide open flowers of a very pleasing lavender shade; a most unique and distinct color. 10c. each, doz. \$1.00, \$8.00 per 100.

Senator Volland. A real blue gladioli with extremely large flowers, blotched dark violet, stained yellow with a blue stripe; a real odd combination. Each 12c., \$1.35 per doz., per 100 \$10.00.

Shakespeare. A very dainty white, slightly suffused with rose. Well opened flowers on a long spike. Especially popular for forcing. 10c. each, doz. \$1.00, 100 \$7.50.

*Sulphur King**Shakespeare*

Sulphur King. This is without doubt the finest yellow gladiolus. It produces, on a very long spike, flowers of the clearest sulphur yellow. 25c. each, doz. \$2.50, \$20.00 per 100.

Sunlight. A very attractive flower of a bright crimson with yellow throat. 10c. each, doz. 75c., \$6.00 per 100.

Taconnic. A flower of striking appearance. Color, pink flecked and striped with same shades and lower petals marked deep crimson. 15c. each, doz. \$1.50, \$10.00 per 100.

Victory. Delicate sulphur yellow, lower petals shaded deeper and a bright maroon blotch on throat. 10c. each, doz. \$1.00, \$7.50 per 100.

Wild Rose. A most pleasing tint of pink resembling the single wild rose of the roadside; flowers very large and wide open. 20c. each, doz. \$2.00, 100 \$15.00.

Wm. Falconer. Beautiful light clear pink, spike of great length and flowers of enormous size. 15c. each, doz. \$1.50, \$10.00 per 100.

GLADIOLUS ARE A SPECIALTY WITH US

MICHELL'S HARDY GARDEN LILIES

What garden could be called complete without a fair display of these stately flowers. Their graceful habits, their ability to adapt themselves to special locations and the variety of them to have flowers almost the entire summer makes them very valuable. Their culture is simple yet a few rules must be strictly observed to grow them successfully.

All lilies should be planted from 6 to 8 inches deep, the Japanese varieties even 12 inches deep, the bulbs themselves should be completely enveloped in sand; no manure should come in contact with the bulb, but may be placed 4 to 6 inches underneath, all loose petaled bulbs should be planted on their side instead of upright.

These are sometimes grown in pots for indoor blooming, in which case they are handled much like the Bermuda Easter Lily; we recommend, however, they should be grown exclusively outdoors.

Wild gardening, a feature becoming popular of late, gives lilies the foremost place.

In winter all lilies should have a protection with leaves or manure.

JAPANESE LILIES

Auratum (*Golden Banded Lily from Japan*). A variety planted most extensively; flowers of enormous size, measuring frequently 8-12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. The height varies according to location; it prefers a moist, cool well-drained soil. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers.

	Each	Doz.	100
Large Bulbs	\$.015	\$1.50	\$10.00
Mammoth Bulbs	.25	2.50	15.00
Monster Bulbs	.35	3.50	25.00

Melpomene. Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 3½ feet; flowers in August.

	Each	Doz.	100
Large Bulbs	\$.015	\$1.50	\$10.00
Mammoth Bulbs	.25	2.50	17.50

Speciosum Album. The best flowering pure white hardy garden lily of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stem; the petals recurve and show the prominent red pistil in the centre; height, 4 feet; blooms August and September.

	Each	Doz.	100
Large Bulbs	\$.020	\$1.80	\$12.50
Mammoth Bulbs	.25	2.50	17.50

Speciosum Magnificum. An enormous flower rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; this is one of the grandest of the Jap. varieties; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs	\$.015	\$1.50	\$10.00
Mammoth Bulbs	.25	2.50	15.00

Speciosum Rubrum or Roseum. Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and September.

	Each	Doz.	100
Large Bulbs	\$.015	\$1.50	\$10.00
Mammoth Bulbs	.25	2.50	17.50

OLD FASHIONED TIGER LILIES

The improved Tiger Lily is one of the hardiest in cultivation, which succeeds and increases in all climates; splendid for naturalizing in groups and around shrubbery. The orange blossoms are heavily spotted maroon and borne in clusters of from 4 to 10 blooms on a straight heavy stalk, often 5 feet in height. Deep purple seed pods form on the axils of the leaves; blooms in July.

Tigrinum Splendens Simplex. Mammoth bulbs grown in Japan, 10c. each; doz., \$1.00; \$7.50 per 100.

Tigrinum Splendens Flore Pleno. A double form of the above, retaining its flower longer, otherwise is as above. Mammoth bulbs grown in Japan, 15c. each; doz., \$1.50; \$10.00 per 100.

CANNAS, DAHLIAS AND GLADIOLUS

is the title of a booklet we have issued, covering the culture of the above popular subjects; mailed free or included with orders if asked for.



Lilium Auratum

AMERICAN OR NATIVE LILIES

Canadense (*Canadian Bellflower Lily*). Easily cultivated and multiplies readily; bright yellow bell-shaped flowers hanging downward; petals are spotted black on inside; flowers June and July; 2 feet.

	Each	Doz.	100
	\$.010	\$1.00	\$7.00

Canadense Rubrum. Same as above, crimson with black spots.

	.15	1.50	10.00
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Elegans, Red. One of the earliest lilies to bloom, flowering early June; 2 feet; large open flowers stand upright in clusters from 3 to 5 on a stout stem.

	.15	1.50	10.00
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Elegans, Yellow. A yellow form of the above.

	.15	1.50	10.00
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Hansoni. Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster; petals thick and durable.

	.50	5.00	40.00
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Henryi (*New and Rare*). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion.

	.75	7.50	
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Superbum (*Turk's Cap Lily*). One of the best lilies for all purposes; will succeed everywhere; according to location, will grow from 3 to 6 feet high and produce from 5 to 45 nodding brilliant orange red flowers on a single stalk during July.

	.15	1.50	10.00
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Tenuifolium (*Coral Lily*). Brilliant scarlet, Turk's Cap flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May.

	.15	1.50	10.00
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Umbellatum. A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most effective when planted in clumps.

	.15	1.50	10.00
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6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.

MICHELL'S HEDGE PLANTS

Our stock of these is grown at MICHELL'S
"EVERGREEN" SEED GARDENS, Torresdale, Pa.



California Privet with Catalpa Trees in the rear

PRICES OF CALIFORNIA PRIVET

	Doz.	100	1000
1-year-old, 18 to 24 inches high.....	\$0.60	\$3.00	\$25.00
2-year-old, 24 to 30 inches high.....	.75	4.50	40.00
2-year-old, 30 to 36 inches high.....	1.00	5.50	45.00
Specimens in bush form, 3 to 4 feet high, 50c. each; per doz. \$5.00.			

GOLDEN or VARIEGATED LEAVED PRIVET

In form and habit, like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited, when available it will become very popular, we recommend it especially for placing among shrubbery or for planting on the lawn, the contrast between the grass and golden foliage is beautiful.

Strong Plants. 25c. each, doz. \$2.50, \$17.50 per 100.

ALTHEAS (Rose of Sharon)

These make very desirable flowering hedges. They are robust growers and bloom abundantly at the close of July and last for four or five weeks.

	Each	Doz.	100
2 to 3 feet	\$0.25	\$2.50	\$15.00
3 to 4 feet .....	.40	3.50	20.00

BERBERIS THUNBERGII (Japanese Barberry)

A good, hardy plant of low, dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in the lawn or border. We predict for this plant a wide future. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

	Doz.	100	1000
1 to 1½ feet, plant 8 to 10 inches apart..	\$2.00	\$15.00	\$120.00
1½ to 2 feet, plant 10 to 12 inches apart..	2.75	18.00	150.00
2 to 2½ feet, plant 12 inches apart.....	4.00	27.50	200.00

BOXWOOD (Buxus suffruticosa. For Edging)

In Europe the Boxwood edging plays a very conspicuous part in every garden. There is something about it which adds a home-like feeling to the surroundings. At times, especially in the morning, or after a rain, it seems to permeate the air with a distinct, pleasant odor. A planting lasts a lifetime. Many Boxwood enclosures, planted a hundred years ago, are in existence to-day. It grows rather bushy, instead of in height. It should be set about 4 inches apart and trimmed to shape according to its growth.

Strong Plants, 4 to 6 inches high, \$1.00 per doz., per 100 \$6.50, \$55.00 per 1000.

CALIFORNIA PRIVET

Exceedingly beautiful; leaves deep green, bright and very glossy. Especially adapted for hedges at the seashore; easily transplanted. The plants we supply have been grown in our own plant establishment and only selected stock is sent out. It is unlike a fence which needs painting, repairing, etc., and then never looks well. This hedge is no further expense after planted and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Philadelphia. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. To establish a good hedge, the proper foundation is necessary. The trench should be thoroughly manured, and receive in addition a liberal application of Michell's Pure Bone Meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other, this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 1st to November 15th and from March 15th to May 15th. Ask for our special free circular on California Privet.

ROSA RUGOSA (Japanese Rose)

Its luxuriant foliage, dense compact growth, rapid development, and flowering feature places it in a class of its own. The flowers appear in clusters, are very large, often 4 inches in diameter, single semi-double and double; in red, white and pink shades, and some of them may be seen on the plants during the entire summer and fall; during the winter they are decorated with large bright scarlet seed pods. In separate colors as noted above. 35c. each, doz. \$3.50, \$20.00 per 100.



UNIQUE HEDGE TRIMMER

Cuts 4 times faster than the old style hedge shear. Guaranteed satisfactory or money back. \$5.00 per pair.

We Can Also Supply All Other Varieties of Hedge Plants.



DECORATIVE CONSERVATORY AND GREENHOUSE PLANTS

Our extensive trade, particularly with gentlemen's country estates, has made it necessary for us to give this department special attention. We have arranged with well-known specialists in this line to supply us extra well grown clean stock.



Araucaria Compacta

ARAUCARIA

Excelsa (*Norfolk Island Pine*). 4-in. pots, 6 to 8 in. high, 50c. each, doz. \$5.50. 5-in. pots, 10 to 12 in. high, 75c. each, doz. \$8.25. 6-in. pots, 12 to 14 in. high, \$1.00 each, doz. \$11.00. 6-in. pots, 14 to 16 in. high, \$1.50 each, doz. \$16.50.

Robusta Compacta. 6-in. pots, 10 to 12 in. high, each \$1.50, doz. \$15.50. 6-in. pots, 14 to 16 in. high, each \$2.00, doz. \$22.00.

ASPARAGUS

Plumosus Nanus (*Asparagus Fern*). Highly desirable for fern dishes, bouquet greens, garlands, etc.

Sprengeri. Adapted principally for hanging-baskets.

	Each	Doz.	100
3-in. pots, plants of either of the above....	\$0.15	\$1.50	\$10.00
4-in. pots, plants of either of the above....	.25	2.50	20.00

BEGONIA

Gloire de Lorraine (in season). Beautiful rose pink variety. 2½-in. pots, \$3.00 per doz., per 100 \$22.50; 4-in. pots, 75c. each, per doz. \$7.50; 6-in. pots (specimen plants), \$1.50 each, per doz. \$15.00.

CROTONS

Leading varieties, brilliantly colored. 4-in. pots, each 75c., doz. \$7.50; 5-in. pots, each \$1.25, doz. \$12.50; 6-in. pots, each \$2.00, doz. \$20.00.

DRACAENA

	Each	Doz.
Bronze Beauty . 6-in. pots	\$2.50	\$27.50
Fragrans . Broad green foliage; 6-in. pots.....	1.25	13.50
Godseffiana . Rich green, spotted creamy white; 4-in. pots .....	.50	5.50
Massangeana . Green, striped yellow, leaves; 5-in. pots	1.50	16.50
Sanderiana . Green foliage, bordered white, for centrepieces .....	.25	2.50
Terminalis . Crimson foliage, striped pink and white; 5-in. pots	1.25	12.50

FICUS (Rubber Plants)

Elastica. The old-fashioned variety. 4-in. pots, 50c. each, doz. \$5.50; 6-in. pots, \$1.00 each, per doz. \$11.00.

Pandurata (*Majestic Rubber Plant*). This variety has enormous leathery leaves and is extremely satisfactory. 6-in. pots, 2 feet high, \$2.50 each; 6-in. pots, 2½ feet high, \$3.00 each; 7-in. pots, 3 feet high, \$4.00 each; 8-in. pots, 4 feet high, \$5.00 each.

GARDENIA

Florida. (*Cape Jessamine*). Pure white, waxy flowers, deliciously fragrant; fine for winter blooming indoors. 3-in. pots, 30c. each, \$3.00 per doz.; 4-in. pots, 50c. each, \$5.00 per doz.; 6-in. pots, \$1.25 each, doz. \$12.50.

PALMS Healthy, Strong Specimens

ARECA

Lutescens. 5-in. pots, 18 in. tall, extra fine, 75c. each, per doz. \$8.25; 6-in. pots with 3 plants, 26 in. tall, \$1.50 each, per doz. \$16.50; 8-in. pot plants, 36 to 40 in. high, \$4.00 each.

COCOS

Weddelliana. 3-in. pot plants. 30c. each, doz. \$3.00, \$22.50 per 100.

KENTIA

	Leaves	Height	Each	Dozen
Belmoreana				
5-in. pot	6 to 7	18 in.	\$1.00	\$11.00
6-in. pot	6 to 7	24 in.	2.00	22.00
6-in. pot	6 to 7	28-30 in.	2.75	30.00
7-in. tub	6 to 7	34-36 in.	5.00	
9-in. tub	6 to 7	48-54 in.	10.00	
9-in. tub	6 to 7	6 ft.	17.50	
Forsteriana				
6-in. pot	5 to 6	28-30 in.	\$1.50	\$16.50
6-in. pot	6	34-36 in.	2.75	30.00

LATANIA

Borbonica. (*Fan Palm*). 6-in. pots, 6 leaves, 20 inches high, each \$1.00, doz. \$11.00.

PHOENIX (Date Palm)

Canariensis. 8-in. tubs, 34-in. high, \$3.25 each; 9-in. tubs, 48 ins. high, \$4.00 each; 10-in. tubs, 50 ins. high, \$5.00 each.

Roebelinii. This palm combines the gracefulness of the Cocos and the hardiness of the Kentia and is especially adapted for all occasions, where a plant is subjected to any abuse. 5-in. pots, \$1.50 each; 6-in. pots, \$3.00 each; 8-in. tubs, \$5.00 each; 10-in. tubs, \$12.00 each.



Kentia Belmoreana

We can also supply all other Decorative or Greenhouse Plants



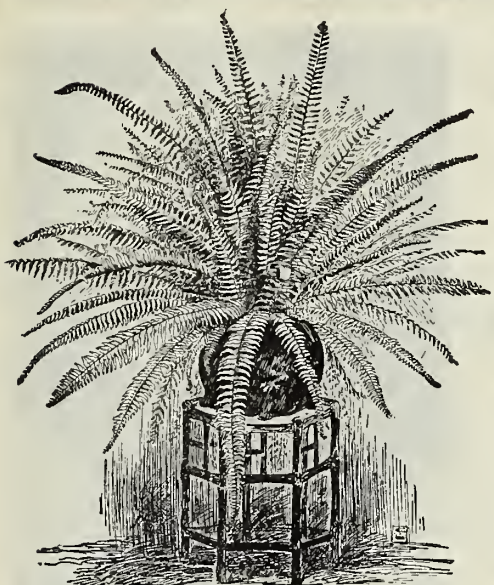
FINE FERNS

ADIANTUM

(Maiden Hair Fern)

Cuneatum. A small leaved, dark green, old-fashioned variety. 25c. each, per doz. \$2.50.

Farleyense. This variety has a broad foliage and is the finest of the Adiantum Ferns. It succeeds best in conservatory or greenhouse, by reason of its love for a moist atmosphere. Strong plants, 25c., 50c., \$1.00 and \$1.50 each.



Nephrolepis

CIBOTIUM

Schiedei. This variety is extremely valuable for the handsome show made by its magnificent fronds, of a beautiful very light green shade. 7-in. pots, 2 to 2½-foot spread, \$4.00 each; 9-in. tubs, 4-foot spread, \$7.00 each; 9-in. tubs, 5-foot spread, \$8.50 each.

FERNS for Fern Dishes, Etc.

We are always able to furnish a large selection of these in the leading varieties, best suited for the purpose named. 2½-in. pots 10c. each, doz. \$1.00, \$7.00 per 100; 3-in. pots, 15c. each, doz. \$1.50, \$10.00 per 100.



Japanese Fern Ball

JAPANESE FERN BALLS (*Davalla Bullata*)

We can supply these either in dormant condition or in growth. They are extremely attractive as a conservatory decoration or for hanging on the veranda during the summer. Produce delicate fronds of a light green color, and should be included in every collection of Ferns. **Dormant** 40c. each, doz. \$4.00; **Started** \$1.00 each, doz. \$10.00.

NEPHROLEPIS

Under this heading come practically all the so-called Boston or Sword Ferns. Our list embraces the improved kinds, as well as the older sorts.

Amerpoehlii (*Philadelphia Lace Fern*). Beautiful, graceful fronds; strong plants; 6-in. pots, \$1.25 each, per doz. \$13.50.

Bostoniensis. Old-fashioned Boston Fern. 6-in. pot plants, 75c. each, per doz. \$8.25.

Elegantissima Compacta. The dwarf compact type, assuming an ideal shape. 6-in. pots, \$1.00 each, per doz. \$11.00; 8-in. pots, \$2.00 each, per doz. \$22.00.

Schoelzeli. This is the ideal crested variety, making a handsome appearance. 6-in. pots, extra strong, \$1.00 each, per doz. \$11.00; 8-in. pots, \$2.00 each, per doz. \$22.00; 10-in. pots, \$4.00 each.

Scottii. Very compact growing type, producing always a perfect plant. 6-in. pots, extra strong, \$1.00 each, per doz. \$11.00; 8-in. pots, \$2.00 each, per doz. \$22.00; 10-in. pots, \$3.00 each.

Toteaoides. London Fern. One of the newer kinds and a strong grower. 6-in. pots, \$1.00 each, per doz. \$11.00; 8-in. pots, \$2.00 each; 10-in. pots, \$5.00 each.

Whitmani. Ostrich-plume Fern. 6-in. pots 75c. each, per doz. \$8.25.

PANDANUS

Veitchii. In these we can furnish extra fine, well-colored stock. 4-in. pots 75c. each, per doz. \$8.25; 5-in. pots \$1.25 each, \$13.50 per doz.; 6-in. pots \$1.50 each, \$16.50 per doz. Specimen Plants \$4.00 to \$7.50 each.

Utilis. Dark green foliage. 4-in. pots 50c. each, doz. \$5.00.

CHOICE ORCHIDS

We have made arrangements with a specialist in this line on account of the many demands we had from our customers with greenhouses. We can supply all other sorts not listed below, and are pleased to quote on inquiry.

CYPRIPEDIUMS

	Each
Acteus (<i>C. insigne x Leeanaum</i>)	\$2.50
Alice (<i>Spicerianum x Stoneii</i>)	3.00
Alcides (<i>Insigne x Hirsutissimum</i>)	2.50
Baron Kuroki	3.00
Bellatulum	2.00
Boxallii	2.50
Brilliance	2.50
Calypso (<i>Spicerianum x Boxallii</i>)	2.50
Charlesianum	2.50
Clotho (<i>Politum x Boxallii Atratum</i>)	2.50
Concolor (<i>Sp. Burmah</i>)	2.50
Euryades (<i>Leeanaum x Boxallii</i>)	2.50
Euryale (<i>Lawrenceanum x Superbians</i>)	3.00
Exul (<i>Sp. Singapore</i>)	2.50
Harrisianum (<i>Villosum x Barbatum</i>)	2.00
Hera	3.00
Insigne	2.50
J. Howes (<i>Sallierii x Villosum Aureum</i>)	2.50
Leonidas (<i>Villosum x Leeanaum</i>)	4.00
Venustum	2.00

CATTLEYAS

Amethystina (<i>Intermedia</i>)	\$2.50
Gaskelliana	2.50
Bicolor x Gigas	2.50
Labiata x Alexandra	2.00
Granulosa x Gigas	2.00
Ophir	5.00
Caduceus	5.00
Schilleriana x Callistoglossa	4.00

LOELIO-CATTLEYA

L. Crispe x Trianae	\$2.00
C. Gigas x Elegans	5.00
L. Latona	4.00
L. C. Miss Williams	3.00
L. C. Myra	2.50
Elegans x Labiata	2.00
Bicolor x Callistoglossa	2.00
L. C. Nysa	3.00
L. C. Bella	5.00
L. Olivia	3.00



ROSES AND CHRYSANTHEMUMS FOR INDOOR CULTURE

ROSES (Continued)

My Maryland. Clear rich pink with pointed buds. A wonderful producer, especially in summer time. 20c. each, doz. \$2.00, \$12.00 per 100.

Mrs. Taft or Antoine Rivoire. Shell-pink flowers on strong stems, decked with handsome glossy foliage. 20c. each, doz. \$2.00, \$10.00 per 100.

Radiance. Deep cerise pink. A strong healthy grower, producing plenty of bloom. 20c. each, doz. \$2.00, \$10.00 per 100.

Sunburst. Rich coppery orange and intense brilliant color; flowers large, on long, stiff stems; clean healthy foliage. 35c. each, doz. \$3.50, \$22.00 per 100.

ROSES (Older Varieties)

American Beauty. Dark rosy pink. An old standby. 20c. each, doz. \$2.00, \$10.00 per 100.

Double Pink Killarney. Vigorous habit and free flowering qualities. The flower petals on this variety are more numerous than on the old type Killarney. An even shade of light pink. 20c. each, doz. \$2.00, \$10.00 per 100.

Kaiserin Augusta Victoria. The favorite white summer-blooming rose under glass. Very free bloomer. 20c. each, doz. \$2.00, \$10.00 per 100.

Killarney. A pink Tea Rose, too well known to need much description. Identical with the double type, except that the flowers do not have as many petals. 20c. each, doz. \$2.00, \$10.00 per 100.

Perle des Jardins. One of the older types of yellow forcing roses, of distinct form and fragrance. 20c. each, doz. \$2.00, \$10.00 per 100.

Richmond. A clean, strong grower, producing rich scarlet-crimson flowers on stiff stems very freely. 20c. each, doz. \$2.00, \$10.00 per 100.

White Killarney. One of the freest bloomers in existence, producing a magnificent pure white flower. 20c. each, doz. \$2.00, \$10.00 per 100.

We also can supply any other variety of forcing Roses.

CHRYSANTHEMUMS

New Varieties (Ready in March)

August Dasse. Dwarf, very stiff stem; flowers globular, very solid and of extra keeping qualities; color, intense yellow. 25c. each, doz. \$2.50.

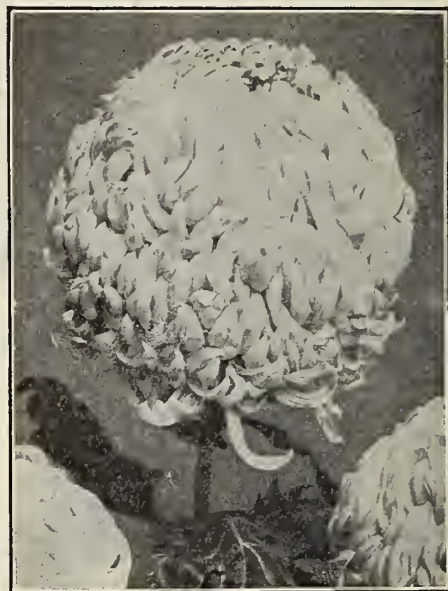
Chas. Brooker. Enchantress shade of pink, incurved petals, a most perfect flower. \$2.00 each, doz. \$20.00.

Gertrude Peers. Rich crimson, which does not show the reverse petals. Every bud throws a perfect flower. \$2.00 each, doz. \$20.00.

Harvard. A reflexed dark crimson, flowering about November 15th. Grows about 3½ feet high. 25c. each, doz. \$2.50.

Mme. Corday. Grows about 3 feet high, blooming about October 5th. Rose pink, of a deeper shade at the petal base. 25c. each, doz. \$2.50.

Miss Hazel De Forest. Buff terra cotta, of perfect shape. A distinct color. \$2.00 each, doz. \$20.00.



Chrysanthemum August Dasse

CHRYSANTHEMUMS (Cont'd)

Mrs. G. W. C. Drexel. Incurved pink, with rigid stem and enormous flower. \$2.00 each, doz. \$20.00.

Mrs. W. Hookey. Lemon yellow with buff shadings. Large, handsome flowers, which appear early. \$2.00 each, doz. \$20.00.

Nontero. Loose incurved flower, blooming around November 1st. An exceptional variety and will become popular. White flowers with stems about 4 feet. 25c. each, doz. \$2.50.

William Kleinheinz. Chestnut red; large size with heavy petals. One of the best dark colored sorts. 50c. each, doz. \$5.00.

Standard and Older Varieties

YELLOW SORTS

Chrysolora. Early, golden yellow, fine keeper. 20c. each, doz. \$2.00.

Col. Appleton. A standard mid-season sort.

Golden Chadwick. Rich yellow; one of the finest late varieties.

Golden Glow. Early; very clear yellow.

Golden King. Deep golden yellow; semi-dwarf. Blooms about November 1st.

Nagoya. Rich yellow; late bloomer.

Major Bonnafon. Finely formed flower; late.

Robert Halliday. Clear yellow; early.

Yellow Eaton. Strong grower; large bloom.

Yellow Polly Rose. Clear yellow, early and dwarf. 20c. each, doz. \$2.00.

Yellow Ivory. Clear yellow, incurved.

WHITE SORTS

Alice Byron. Mid-season; of purest white.

Beatrice May. An enormous pure white flower.

Chadwick Improved. Purest white; very fine.

Early Snow. Pure white. Perfect form and foliage. One of the best.



Rose Milady

ROSES (Newer Varieties)

(Ready in March)

Double White Killarney. Pure white, very double; a big improvement over the regular white Killarney. Much stronger growth and heavier foliage. 30c. each, doz. \$3.00, \$14.00 per 100.

Killarney Queen. Fancy cerise pink winter rose. In a class by itself. The petals are large and the flower is most excellent. 30c. each, doz. \$3.00, \$14.00 per 100.

Lady Hillingdon. The buds are long and pointed; deep copper yellow flower opens beautifully, and is a rich attraction. 20c. each, doz. \$2.00, \$10.00 per 100.

Melody. Very free flowering. The bud, a rich golden yellow, which changes to creamy yellow, when fully opened. 20c. each, doz. \$2.00, \$10.00 per 100.

Milady. A hybrid Tea, with strong, sturdy growth and excellent foliage. The flower in form and fragrance resembles Jacqueminot, with rich red color of Richmond. 60c. each, per doz. \$6.00, \$35.00 per 100.

Mrs. Aaron Ward. A rich yellow bud, which changes to an exquisite shade of pink, as the flower opens. Very free grower. 20c. each, doz. \$2.00, \$10.00 per 100.

Mrs. Chas. Russell. Beautiful pink, similar in color to "American Beauty" except a better shade, in fact it is the handsomest forcing rose ever seen. The stems are as long as those on "Beauties," very stiff and uniform, always keeps its color. Own root, each 75c., \$7.50 doz., per 25 \$12.50, \$20.00 per 50. Grafted, each \$1.00, doz., \$9.00, per 25 \$15.00, per 50 \$25.00.

Mrs. Geo. Shawyer. The finest new pink rose, without a fault. A wonderful grower, freer than Killarney. This rose is as famous as Sunburst was last year. It won 15 first class certificates and a silver medal in 2 weeks. 85c. each, doz. \$8.50, grafted or on own roots.

ROSES AND CHRYSANTHEMUMS on this page are ready in MARCH



CHRYSANTHEMUMS AND CARNATIONS

FOR INDOOR CULTURE

CHRYSANTHEMUMS (Cont'd)

WHITE SORTS (Continued)

Elise Papworth. Mid-season. Pure white. Large, heavy flower.
Ivory. Late; incurved; pure white.
Jeanne Nonin. Exceptionally late; large blooms.
Lynwood Hall. Very late; pure white.
Mrs. Jerome Jones. Very late; pure white.
Polly Rose. Pure white; dwarf; early
Timothy Eaton. Late, incurved, fine
White Bonnafon. Incurved; late flowering.

PINK SORTS

Dr. Enguchard. A fine mid-season flower.
Maud Dean. An old favorite; flowers about Nov. 1st.
Patty. A pleasing shade of pink. The large flower matures just before Thanksgiving Day.
Pacific Supreme. The best early pink.
Winter Cheer. Deep cerise pink; ready about Nov. 1st.

RED SORTS

J. H. Shrimpton, Merstham's Red, Cullingfordii, Intensity.
 Price of all Chrysanthemums (except where noted), from small pots, 15c. each, doz. \$1.50, \$8.00 per 100.



New Carnation "Commodore"

CARNATIONS (New Varieties)

Commodore. A scarlet, that will take the place of Beacon; it never splits and is wonderfully free.
Enchantress Supreme. Slightly deeper in color than Enchantress; never fades nor splits. It will eventually take the place of Enchantress.
Northport. Deep pink; an improvement on "Mrs. W. C. Ward"; stiff stems and a free bloomer.

CARNATIONS (Continued)

Salmon Beauty. In form and habit like Enchantress, but a deeper shade of pink. Price for any of the new Carnations:
Rooted Cuttings. Ready in February. \$2.25 per doz., per 100 \$17.50. **Small pot-grown plants,** \$3.00 per doz., per 100 \$22.50.

Standard Varieties

WHITE SORTS		Doz.	100
White Enchantress	.....	\$0.75	\$4.00
White Perfection	.....	.75	4.00
White Winsor	.....	1.00	5.00
White Wonder	.....	.75	4.00

PINK SORTS

Afterglow. Scarlet pink	.....	.60	3.50
Dorothy Gordon. Light rose	.....	.75	5.00
Enchantress. Very Soft	.....	.60	4.00
Gloriosa. Deep pink	.....	1.00	6.00
May Day. Light pink	.....	.75	4.00
Mrs. C. W. Ward. Deep pink	.....	.75	4.00
Rose Pink Enchantress	.....	.75	4.00
Rosette. Dark pink	.....	1.25	7.50
Winsor. Clear rose	.....	.75	4.00

RED SORTS

Beacon. Bright red	.....	.75	4.00
Bonfire. Velvety scarlet	.....	1.00	6.00
Christmas Cheer. Poinsettia scarlet	.....	1.00	7.00
Octoroon. Dark crimson	.....	.75	4.50
St. Nicholas. Rich scarlet, flowers all season; very large	.....	1.25	7.50
Scarlet Glow. Clear scarlet	.....	.60	4.00

Variegated Varieties

	Doz.	100
Benora. Pure white, penciled	1.25	7.00

The above prices for carnations are for strong rooted cuttings, ready in February. Strong plants from 2 1/4-in. pots can be supplied in most varieties somewhat later at an advance over the prices for rooted cuttings of 75c. per doz., per 100 \$5.00.

HARDY CHRYSANTHEMUMS

These are now extensively used for forcing in pots. For indoor decorative purposes they are exceedingly attractive and make handsome effects, specially when staged among foliage plants. On another page in this book we list a large collection of these, but under this heading have confined ourselves to varieties which make the best pot plants.
Ashbury. Sulphur white.
Dundee. Dark red.
Findon. Violet rose.
Gladys. Flushed pearl.
Irene. Pure white shaded flesh.
Julia Lagravere. Crimson maroon.
Miss Julia. Orange-red, turning to yellow.
Queen of Bulgaria. Violet rose.
Queen of Whites. Creamy white; long stems.

The Czar. Golden bronze, tipped white.
Globe d'Or. Golden yellow.

Price of any of the above extra strong pot-grown plants, 15c. each, doz. \$1.25, \$8.00 per 100.

APHINE

Destroys all soft lice and insects, green and white fly, aphid and red spider, that infest plants in the conservatory, winter garden or greenhouse. 1/4 pt. 25c. (by mail 30c.), 1/2 pt. 40c., 65c. 1 pt., per qt. \$1.00.



Christmas Cheer

POT CARNATION CHRISTMAS CHEER

There is no other variety that is so peculiarly adapted to pot culture and winter blooming in the house or conservatory as Christmas Cheer. It seems to be in its height of bloom just at Holiday season, and for that reason its name.

Amateurs will be especially pleased with its easy culture.

If rooted cuttings are purchased, they should be carefully planted in small pots, until thoroughly established, when they may be set out in the garden to grow larger, until Aug. 15th. At that time they should be lifted and placed in pots large enough to accommodate them, and in which they should stay for the winter. Occasionally give the plants a little nourishment, like Sheep Manure or Bone Meal, so they will bloom freely. The flower is a rich geranium-red and is produced in great profusion, often as high as 50 flowers and buds being on a plant at one time.

Strong rooted cuttings ready in February: 10c. each, doz. \$1.00, \$7.00 per 100.

Strong plants in pots ready in April: 20c. each, doz. \$2.00, \$12.50 per 100.

Extra strong plants for winter blooming, ready September 1st: 50c. each, doz. \$5.00.

"Christmas Cheer" makes a window garden bright all winter.



NEW SCARLET BEDDING GERANIUM

FOR DELIVERY IN 1914

HELEN MICHELL

BOOK YOUR ORDER
NOW(Name registered with S. A. F. & O. H.)
(Cross-Seedling Jean Viaud X Alphonse Ricard)**A Cash Prize of \$50.00 in Gold**IS OFFERED FOR THE BEST 4-INCH POT OF
THIS GERANIUM GROWN FROM A SINGLE
PLANT, TO BE COMPETED FOR AT A**SPECIAL EXHIBIT IN PHILADELPHIA**

(Date to be announced later)

This new Geranium will be introduced by us as **The Best Commercial Novelty For 1914** and in order to popularize it the first year of its introduction, we are offering the above remarkable prize, hoping that every grower will compete.

The competition is absolutely fair, as no plants are disseminated until very early in 1914, and no larger plants are furnished than from 2¼-inch pots until May. Every one can grow a Geranium.

OUR CLAIM for this novelty is, that it surpasses all other Scarlet Geraniums.

- | | |
|---|--|
| (1). In brilliancy of color. | (5). In earliness of bloom. |
| (2). In size of bloom. | (6). In constancy of bloom. |
| (3). In number of clusters to the individual plant. | (7). In propagating quality. |
| (4). In vigor and strength. | (8). In a wonderful ability to retain its brilliancy of color in the hottest of weather. |

We have observed this Geranium and present the above claims as based upon personal experience.

"HELEN MICHELL" IS SEMI-DOUBLE, OF THE CLEAREST POSSIBLE SHADE OF SCARLET, IS EARLY IN BLOOM, AND FLOWERS VERY FREELY DURING THE ENTIRE SEASON

It grows compact medium dwarf, with lustrous green foliage and throws up gigantic flower-heads very freely. We claim it to have the largest flower-heads of any of the Bedding Geraniums. The individual blooms measure 2½ inches across. It is a common occurrence that a single 4-inch pot plant shows four fully open gigantic flower-spikes, several half open and more in bud.

Its propagating quality is the best ever. More cuttings can be made from this variety than any other.

To compare it with some of the best known commercial scarlet varieties, will simply state that it puts the present standard bearer, "Alphonse Ricard," entirely in the background and soon will supplant it altogether.

There are more Scarlet Geraniums grown than any other color, so be in line and grow the best, and the best to-day and for some time to come, is

"HELEN MICHELL"

TO BE DISSEMINATED VERY EARLY IN 1914, ORDERS BOOKED NOW AND FILLED IN ROTATION AS RECEIVED.

"Read what two of the greatest American Geranium growers have to say about 'Helen Michell,' below."

PRICES OF PLANTS.—2¼ in. pot size, 35c each; dozen \$4.00; \$30.00 per 100.

The above size is ready in early spring, though all orders will be filled in the rotation they are received.

Four-inch pot plants ready in May, 1914. 50c each; dozen \$5.00.

Gentlemen:

Relative to the new Geranium, "Helen Michell," which was shown to us a few days ago, would say that we consider this variety a GREAT IMPROVEMENT over Alphonse Ricard. The flower is borne on a long, stiff stem, is MUCH LARGER than the Ricard variety, and the color is superb. It appeared to us to be a very VIGOROUS GROWER and UNUSUALLY FREE. We have known of this variety for the past two years and think it will be one of the grandest bedders in commerce.

Philadelphia, June 15, 1912.

Yours truly,

ROBERT CRAIG CO.

Gentlemen:

We take pleasure in assuring you that we were very favorably impressed with the new GERANIUM "HELEN MICHELL." It certainly possesses merits of exceptional value to the grower, and we are confident it will immediately find its place among the leading class of Geraniums.

White Marsh, Md., June 10, 1912.

Respectfully yours,

R. VINCENT, JR., SONS

PLEASE NOTE.—This Geranium is not to be disseminated till 1914

MICHELL'S BEDDING PLANTS FOR SUMMER USE

These are grown for us by specialists and are thrifty specimens which invariably give fine results. As readily seen by the title they are not hardy, being for the one season's display only, with the exception of a few.

ABUTILONS (*Bell Flower*). Splendid plants to be used as a close setting to cannas or other plants. Per doz. \$1.25, \$9.00 per 100.

ACALYPHA. Plant growing 2 feet high, decked with beautiful red and bronze foliage, showing up well against a green background of cannas, caladiums or ricinus. Doz. \$1.25, \$9.00 per 100.

ACHYRANTHES. Rich crimson glossy foliage, dwarf compact grower; 12 inches high; ideal for edging geraniums, salvia, etc. Doz. \$1.25, \$9.00 per 100.

AGERATUM. Flowers heads in blue and white; 10 inches high; ideal for massive bedding or edging. Price for either color, doz. \$1.25; \$9.00 per 100.

ALTERNANTHERA. Red and green, used extensively in carpet bedding designs, also for edging; ideal for cemetery work. \$1.00 doz., per 100 \$6.00.

ALYSSUM. Pure white flowers, dwarf compact plant, desirable for edging, flowering all season; 6 inches high. 75c. doz., 100 \$6.00.

ANTIRRHINUM (*Snapdragon*). A very effective plant for massive bedding, much used in Italian gardens; mixed colors of pink, yellow, white and crimson; height, 24 inches. \$1.25 doz., 100 \$9.00.

ASTERS. In assorted colors separate. 75c. per doz., 100 \$5.00.

BEGONIA (*Tuberous Rooted*). Strong Plants, *Single Mixed*. 15c. each, doz. \$1.50, \$10.00 per 100. *Double Mixed*, 20c. each, doz. \$2.00, \$15.00 per 100.

BEGONIA VERNON. Bright red flowers, compact dwarf plant, one of the best and most effective bedding plants either for edging or massive bedding. \$1.50 doz., 100 \$10.00.

BEGONIA ERFORDI. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. \$1.50 per doz., per 100 \$10.00.

BEGONIA GRACILIS LUMINOSA. A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers, very free blooming, of same habit as Vernon. \$2.00 doz., per 100 \$15.00.

CALADIUMS (*Elephant Ears*). Plants 20c. each, doz. \$2.00, \$15.00 per 100.

CANNAS. See pages 105-106. 15c. each, doz. \$1.50, \$10.00 per 100.

COLEUS. The popular beefsteak plant so commonly used for edging canna and geranium beds; Vershaeffelti dark crimson, Golden Bedder, yellow. \$1.00 per doz., per 100 \$6.00.

COSMOS (*Plants*). In separate colors, white, pink and red. 75c. per doz., per 100 \$5.00.

DRACAENA INDIVISA (*Fountain Plant*). Attractive used as a centerpiece for a round bed, urn or vase and in cemetery work; light green foliage. 50c. and \$1.00 each, \$5.00 and \$10.00 per doz.

ENGLISH DAISY (*Bellis Perennis*). White and pink in bud and bloom. \$1.00 per doz., per 100 \$7.00.

FUCHSIA (*Lady's Ear Drop*). The pretty bell flowers, both single and double, appear abundantly if the plants are set in a semi-shaded location. \$1.25 per doz., per 100 \$9.00.

HELIOTROPE. Desirable on account of their color, fragrance and free flowering habit. Each 15c., \$1.50 doz., 100 \$10.00.

HYDRANGEA HORTENSIA. These stately plants make ideal showy effects especially desirable for seashore. If protected in the winter they will live outdoors for years.

Otaksa, Pink; **Empress Eugenie**, Blue. 50c. each, doz. \$5.00; larger specimens in tubs can be furnished, ask for price.

LANTANA. Ideal for massive bedding, growing 30 inches high, remaining in flower till frost; various shades of orange, pink and red in mixture only. \$1.25 doz., per 100 \$9.00.

LEMON VERBENA. Scented green foliage. 15c. each, doz. \$1.50, \$10.00 per 100.

LOBELIA. Blue flowering plant, for edging and hanging baskets; when ordering state purpose for which they are desired. \$1.00 per doz., per 100 \$6.00.

MYOSOTIS (*Forget-Me-Not*). Blue, in bud and bloom. \$1.00 per doz., per 100 \$7.00.

MYRTLE (*Vinca Minor*). For cemetery work covering graves this hardy blue flowering plant is ideal; blooms in May. 15c. each, doz. \$1.50, \$10.00 per 100.

MUSA ENSETE (*Abyssian Banana*). Excellent as centrepieces for large beds or individual specimens on the lawn; light green wavy foliage of enormous size. 50c. and \$1.00 each.

NASTURTIUMS. Dwarf varieties in mixture. 4-in. pot stock, 15c. each, doz. \$1.50, \$10.00 per 100.

PANSIES. Giant Exhibition Strain in bud and bloom. \$1.00 per doz., 100 \$7.00.

PETUNIAS.

Single Mixed, doz. \$1.00, 100 \$6.00. *Double*, doz. \$1.50, 100 \$10.

PHLOX DRUMMONDI. Mixed colors, and separate. 10c. each, doz. \$1.00, \$6.00 per 100.

RICINUS (*Castor Oil Plant*). Green and bronze foliage varieties. \$1.25 per doz., per 100 \$9.00.

SALVIA (*Scarlet Sage*). \$1.50 per doz., per 100 \$10.00.

STOCKS. 10 weeks, mixed in all colors. 15c. each, doz. \$1.50, \$10.00 per 100.

VERBENAS. Our giant flowering strain in separate colors, white, pink, purple and scarlet. \$1.00 per doz., per 100 \$6.00.

VARIEGATED VINCA. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. 25c. each, doz. \$2.50, \$17.50 per 100.

VINCA (*Periwinkle*). Pink, white; pink with white eye. 10c. each, doz. \$1.00, \$6.00 per 100.

ZINNIAS. In all colors mixed. \$1.00 doz., per 100 \$6.00.



Choice Geranium Plants

GERANIUMS. (Large thrifty plants.) Our stock of these is usually fine.

Alphonse Riccard. Bright scarlet, double.

Beaute Poitevine. Salmon pink, double. 20c. each, doz. \$2.00, \$15.00 per 100.

S.A. Nutt. Rich crimson, double. **La Favorite**. Pure white, double.

Mme. Salleroi. Variegated leaves, used extensively for edging and for this purpose flowers should be removed, as they are too small for effect.

Rose Geranium. Grown for its scented foliage, ideal for cutting to mix with other flowers.

Price (except where noted) of any of the above geraniums, extra fine stock, 15c. each, doz. \$1.60, \$12.00 per 100.

We can also supply all other Bedding Plants



Michell's Superb Hardy Phlox



WHITE VARIETIES

Chastity (New). The finest, earliest, pure white variety in existence, producing enormous trusses with large individual flowers. 50c. each, doz. \$5.00.

Von Lassburg. The Queen of all clear white Phloxes, trusses and single flowers are immense in size, as the plant is rather dwarf, it should always be planted in the foreground.

Jean d'Arc. One of the latest white flowering, and for this reason should be included in every collection; the colors of phloxes range in the shades of pink and red and white should be used in every instance between the other colors.

Miss Lingard. Very valuable because it is the earliest flowering phlox we know of, beginning in June and blooms uninterruptedly till frost; rather tall and of vigorous growth; pure white, one of the finest phloxes grown. 25c. each, per doz. \$2.50, \$18.00 per 100.

Mrs. Jenkins. Of medium height with immense clusters of pure white flowers, very effective when planted in masses.

Fiancee. Pure white; frequently spotted and striped pink.

Richard Wallace. Blush white, with violet eye, very showy.

PINK VARIETIES

Elizabeth Campbell. Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye. Quite distinct, producing immense flower heads. 25c. each, doz. \$2.50, \$18.00 per 100.

Gruppen Konigin. Delicate rose pink with claret red eye, easily recognized from a distance. Well named because it is most effective when grouped in masses. 25c. each, doz. \$2.50, \$18.00 per 100.

Hanny Pfeiderer. Blush white, with lavender pink eye; a delicate shade. 25c. each, doz. \$2.50, \$18.00 per 100.

Rheinstrom. A splendid new Phlox with gigantic flowers of a bright pink. There is no similar shade among existing pink varieties, therefore everyone who admires and grows Phlox should have it in their collection. The growth is quite tall, the flowers come early and continue in bloom till frost; truly a grand variety. 25c. each, doz. \$2.50, \$18.00 per 100.

R. P. Struthers. Deep salmon pink, dark centre, very large.

Tower of Eiffel. Light salmon pink, red centre, very early.

Pink Beauty. Delicate pink, with white circle; a round, dark eye.

Wm. Robinson. Carmine pink, with deep crimson eye.

RED AND SCARLET VARIETIES

Dr. Konigshofer. Brilliant orange scarlet with dark blood red eye, resembling somewhat the variety Coquelicot, but is more brilliant, and of dwarf growth. 25c. each, doz. \$2.50, \$18.00 per 100.

General von Heutsz. This produces immense trusses of enormous flowers, which are of a delicate salmon scarlet, surrounded with a lavender eye, which is edged white.

Goliath. A distinct variety of attractive appearance, a tall grower, attaining a height of 3 feet. The flower trusses are large, of a bright cerise color with deep eye. 25c. each, doz. \$2.50, \$18.00 per 100.

Coquelicot. Brilliant orange scarlet with a large truss.

Gen. Chanczy. Orange, suffused scarlet; purple eye.

Matador. Cherry red, crimson eye; dark foliage.

Montagnard. Dark purple claret; large spike and flowers.

Baron Von Dedem (New). Deep pink, suffused orange; immense clusters; very free flowering. 25c. each, doz. \$2.50, \$18.00 per 100.

Embracement. Extra large, bright orange pink.

Fernand Cortez. Cerise pink, with a purple eye.

Madame P. Langier. Brilliant red with a dark eye.

PURPLE PHLOX

Le Mahdi. Most of the phloxes as they were known years back were all of a blue shade known as Magenta, a color which is hideous to many people. Of the shades of blue offered to-day, there are many which again approach Magenta. For this reason we offer only one variety in this class and highly recommend it for its splendid coloring, namely, a royal deep purple.

MISCELLANEOUS PHLOXES

Phlox Divaricata Canadensis. A native, Each Doz. 100
blooming early in April and continues
through May; 10 inches high, fragrant lav-
ender flowers; a real gem of the garden..\$0.15 \$1.50 \$10.00

Phlox Subulata Rosea (Moss Pink). Moss
evergreen-like foliage, tucking close to the
ground and covered completely with pink
star-like flowers in May15 1.50 10.00

Phlox Subulata Alba. The same as above
with pure white flowers15 1.50 10.00

Note—Price of any of the above Phlox, except where noted, 15c. each; dozen, \$1.50; \$10.00 per 100.



Michell's Gorgeous Hardy Phloxes

Make handsome shows from early summer till frost

KEY:

1 Mrs. Jenkins

2 Le Mahdi

3 R. P. Struthers

4 Richard Wallace

5 Fernand Cortez

STRONG PLANTS to bloom first season, each 15c., \$1.50 a dozen, 100 for \$10.00

MICHELL'S SUPERB ROSES



KEY:

- 1 Molly Sharman
Crawford
- 2 Leuchfeuer
- 3 Mrs. Aaron Ward
- 4 Etoile de France
- 5 Jonkheer
J. L. Mock

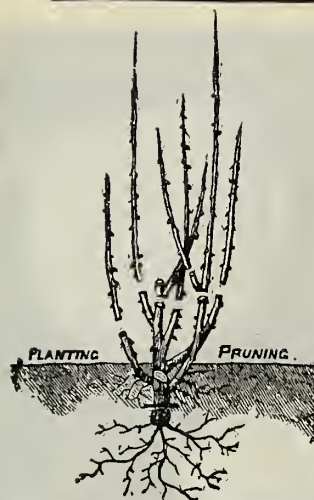
STRONG POT GROWN PLANTS of the Above HYBRID TEA ROSES

75c. EACH DOZEN, \$7.50 \$50.00 per 100

SPECIAL OFFER: ONE EACH OF THE ABOVE ROSES FOR \$3.50



SUPERB POT-GROWN ROSES



Note the proper way to plant and prune a rose bush. See the separation where the pruning is indicated.

SPECIAL DIRECTIONS FOR PLANTING ROSES

Open a good space in the soil and spread out roots; never cramp them into a small hole. Do not let manure come in contact with roots but place it underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above ground; the weaker growth to 4 inches. Observe the illustration opposite for pruning and depth of planting: All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer. Spray as soon as growth commences and continue once a week with "Pyrox." The only remedy against the rose-bug is Readeana, this positively destroys them and does not injure the flower or blossom. (See page 129.)

PINK VARIETIES

Antoine Rivoire. Exceptional bedding variety of excellent shape; flesh pink, shaded dark pink with a yellow cast at the base of the petals.

Dean Hole. One of the best roses for midsummer, being loaded with flowers during July and August. The color is very attractive, being deep salmon pink with tremendous flowers.

Farben Konigin. Brilliant pink; flower of an enormous size, making an elegant show.

Hermosa. Its compact-growing bush is a mass of bright pink flowers from June till frost. An excellent rose for cemetery plantings.

Jos. Hill. Splendid as a cut flower, also deliciously fragrant; the color is a pleasing shade of salmon, turning to pink. 60c. each, per doz. \$6.00.

Jonkheer J. L. Mock. One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer. 75c. each, per doz. \$7.50.



Hybrid Tea Rose, Joseph Hill

HYBRID TEA ROSES

With proper care these will flower uninterruptedly and profusely from June till heavy frosts. Their foliage is leathery and very clean; the flowers are borne on strong, extra long stems, their fragrance is deliciously sweet. They are absolutely hardy and do not require any more protection than any other rose. We have been able to cut masses of splendid flowers from these as late as November 1st at our Evergreen Seed Gardens. All Hybrid Tea Roses offered by us are 2-year-old, extra strong stock.



Hybrid Tea Rose Pink Killarney

Any roses on this page, except where noted, 50c. each; per dozen, \$5.00; \$35.00 per 100



HYBRID TEA ROSES—Continued

PINK VARIETIES—Continued

Killarney. In shape nothing can approach this beautiful rose, its long perfectly shaped bud which on the outside is of a delicate pink unfolds a flower with a deeper shade of pink on the inside.

Lady Ashtown. Delicate rose with a trace of yellow at the petal base. The outer flower leaves expand, while the centre petals remain in exquisite bud form.

Maman Cochet (Pink). In the vicinity of Phila. this rose is grown perhaps more than any other, on account of its many good qualities. The individual large flowers are often on stems 2 feet long, which makes it grand as a cut flower. The shade of color is a "Bridesmaid Pink."

Mme. Abel Chantenay. Carmine rose, shaded deep pink. A strong grower and free bloomer, producing an exquisite bud.

Mme. Caroline Testout. One of the oldest and best varieties. The flowers are of a bright satiny rose shaded deeper in the centre; bud and flower are open or cup-shaped and are very double.

Mme. Jules Grolez. A flower with an extremely long pointed bud and of a delicate silvery rose, tinted yellow at the base; very hardy and desirable.

Mrs. David Jardine. Immense double flowers are borne on straight long stalks abundantly all summer, but especially free during June and late in the fall, preferring the cooler weather. Color is a magnificent rose-pink, shaded lighter toward the edges. 60c. each, per doz. \$6.00.

My Maryland. Perfect form and exquisite fragrance. Salmon pink shade, which becomes lighter as the flower opens. It is an elegant grower, and sure to please. 60c. each, per doz. \$6.00.

Prince de Bulgarie. In this rose one will find a combination of colors that is not duplicated in any other; delicate flesh pink shaded deeper in the centre and suffused salmon. The flowers are extremely large and very double. 60c. each, doz. \$6.00.

Souvenir de President Carnot. Handsome large flower on a stiff erect stem. Easily one of the best in the Hybrid Tea class. Color a delicate soft pink, changing to white.



Rose, Mildred Grant

RED VARIETIES

Chateau de Clos-Vougeot. Rich fiery scarlet, which changes to velvety crimson as the flower becomes older. A rose that will bloom all season. 75c. each, per doz. \$7.50.

Etoile de France. Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open into an extra large flower. 75c. each, per doz. \$7.50.

Gen. MacArthur. Recommended as the best deep scarlet rose in existence. The fragrance is delightful and the blooms, even under most unfavorable conditions are produced in great number.

Gruss aus Teplitz. This is often termed the reddest of the red roses. The foliage, which takes on a coppery red color, is almost hidden with masses of flowers, the centre of which are light red, while the outer petals are crimson red.

Laurent Carle. Carmine red; very fragrant, with large perfect flowers, which are produced all summer long.

Leuchtfleur. A most brilliant fiery crimson, which looms up amongst any surrounding colors. This is a real beauty and will be sure to please the planter. 75c. each, \$7.50 per doz.

Neervelt. A brilliant red; exquisite bud, develops a flower of unusual beauty. 75c. each, per doz. \$7.50.

Richmond. A beautiful variety, a rich shade of crimson. Should be in every collection, as nothing approaches it in form for this color.

WHITE AND YELLOW VARIETIES

Bessie Brown. Free flowering, vigorous grower with gigantic fragrant flowers. Cream white shade.

Etoile de Lyon. A very fine flower and bud of sulphur yellow shade, does exceedingly well in the hottest kind of weather.

Florence Pemberton. The flower is of exquisite shape, oblong with a curve towards the top; very double, of a creamy white, suffused with pink.

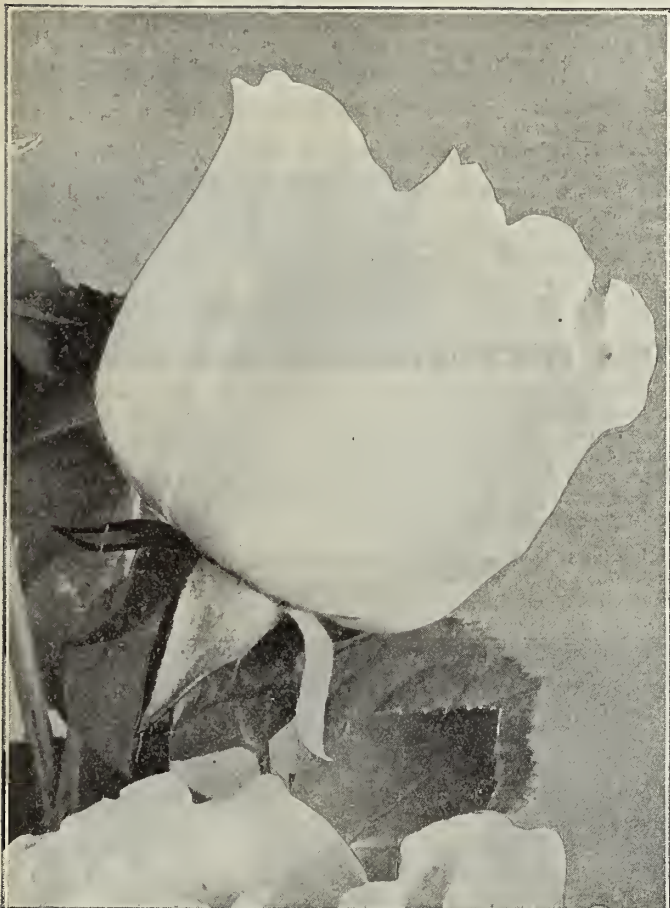
Franz Deegen. A rich yellow orange, darker in the centre. Deliciously fragrant.



Rose, Mrs. Jardine



HYBRID TEA ROSES



Rose, Bessie Brown

PINK AND WHITE VARIETIES—Continued

Harry Kirk. The flowers are large, very double, of a deep canary color, edged with sulphur; free bloomer and one of the "Gold Medal type." 60c. each, per doz. \$6.00.

Kaiserin Auguste Victoria. The best pure white rose, always borne on extra long stems, which makes it suitable for cutting; the form is perfect both in bud and when open and it is by far the most constant blooming rose during the summer.

La Hollande. Beautiful white, tinted rosy yellow. Shape of flower like La France. A fine novelty. \$1.00 each.

Lady Hillingdon. Deep coppery yellow and an attractive long bud. In this color there are few roses as good. It is very free in growth and a continuous bloomer. 75c. each, per doz. \$7.50.

Le Progres. Dark yellow when the bud begins to open, which afterwards develops a large pale yellow flower.

Madame Ravary. A remarkable color, deep nankeen yellow turning lighter toward the centre; a large double flower.

Maman Cochet (White). The exact duplicate of the Pink Cochet except in color, which is white, occasionally tinted pink.

Margaret Guillot. Cream white, passing to pure white. Highly fragrant and one of the best of the Hybrid Teas. 60c. each, per doz. \$6.00.

Marquise de Sinety. Light orange yellow with lighter outer petals. The centre is shaded a coppery red, indeed the color is one hard to be described. Must be seen to be appreciated. 75c. each, per doz. \$7.50.

Mildred Grant. Superb for mid-summer blooming. The bud is of unusual depth, coming to a sharp point at the top. The flower opens perfectly, the color being bluish white with a faint shade of apple blossom pink; splendid for cutting.

Mme. Jenny Gillemot. Delicate pale yellow, blended carmine; rich color combination. The flower is large and fragrant.

Mrs. Aaron Ward. A conspicuous rose on account of its coloring which is new, as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are very exquisite. 75c. each, per doz. \$7.50.

Mrs. Peter Blair. Extremely free, delightfully fragrant; this chrome yellow rose is beautiful in buds, while when open it has but few petals. 60c. each, per doz. \$6.00.

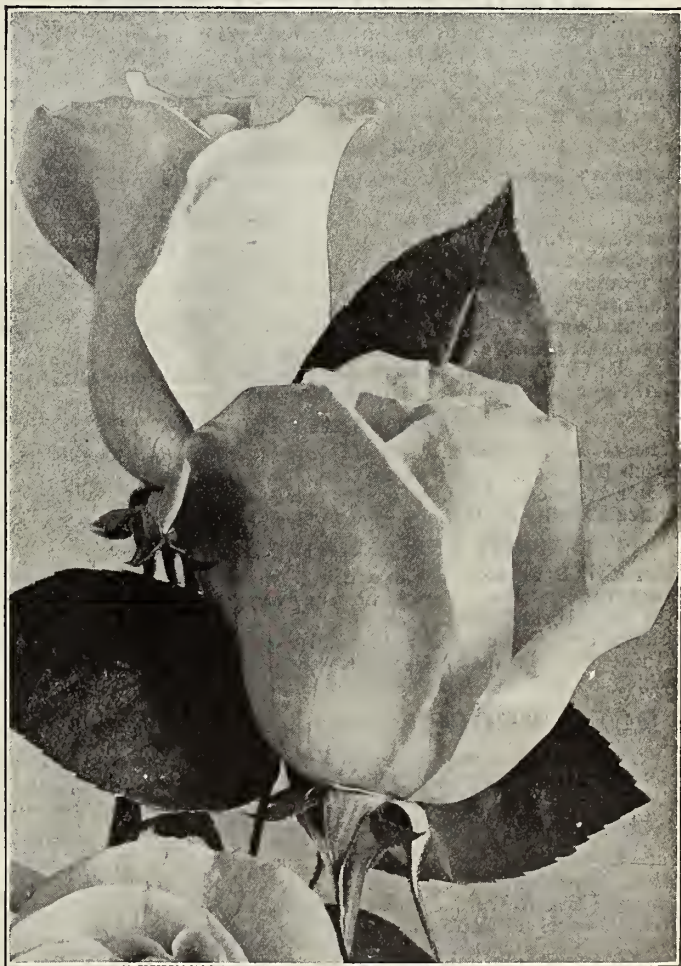
Molly Sharman Crawford. On opening, the flower is cream colored, which, as the bloom expands, turns to a pure white. We regard it as one of the finest white Tea Roses. 75c. each, per doz. \$7.50.

Perle des Jardins. The only true pure yellow rose. The bud and flower are of medium size, borne on slender wavy stems; extremely desirable on account of its true tea rose fragrance. It should be protected during the winter. 60c. each, per doz. \$6.00.

Souv. de Pierre Notting. A splendid variety on account of its freedom of bloom, which extends through the whole season. The color is an apricot yellow, blended a copper shade.

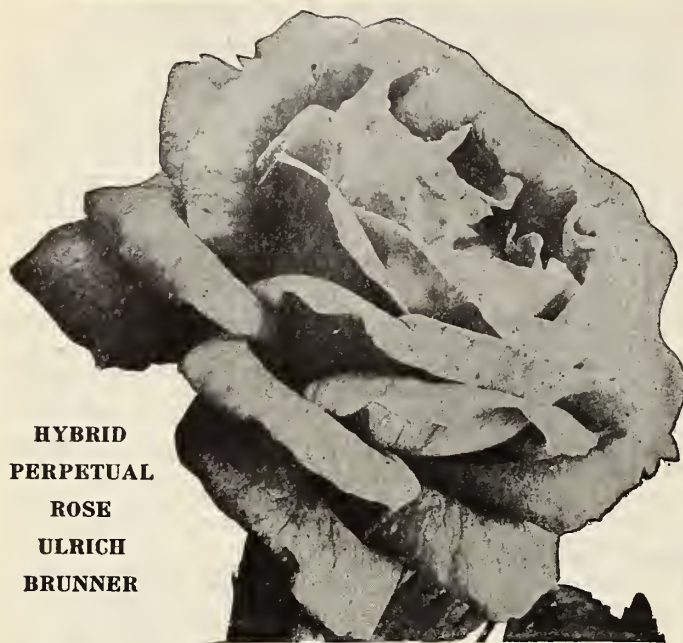
The Lyon. Easily recognized by its wonderful color, which is a warm coral red with a buff yellow base; the flowers are immense in size and are cup-shaped, both bud and open flower are very attractive.

White Killarney. Like its sister it is of peculiar shape; long and pointed when in bud; while the flowers are pure white, they are occasionally flushed pink on the outer edge; although the blooms show but few petals, the open flowers are exceedingly attractive on account of the enormous petals. 60c. ea., doz. \$6.



Rose, White Killarney

Price of any of the Roses on this Page, except where noted, 50c. each; \$5.00 dozen; 100 \$35.00



HYBRID
PERPETUAL
ROSE
ULRICH
BRUNNER

HYBRID PERPETUAL ROSES

All roses offered by us are *extra strong 2-year-old, extra selected for size and shape* and furnished by us from large pots. Such roses will give a *full crop of flowers this season*. Hybrid Perpetual Roses produce their main crop in June and frequently some good flowers in the fall.

PINK VARIETIES

American Beauty. The rich deep pink, with an odor entirely distinct. With a little care such as watering in dry weather and a covering of manure in winter these live for years.
Baroness Rothschild. Soft delicate pink, very large.
Captain Christy. Delicate flesh pink, very free.
La France. Soft pink with white reverse of petal.
Madame Gabriel Luizet. Pale pink, very sweet.
Magna Charta. One of the largest; color deep pink.
Mrs. John Laing. Soft pink, very fragrant and large.
Mrs. R. G. Sharman Crawford. The finest light pink rose.
Paul Neyron. The largest of all roses, deep rose.

RED VARIETIES

General Jacqueminot. The old favorite; velvety crimson flowers.
Ulrich Brunner. Bright cherry red, flowers large and full.
Fisher Holmes. Bright scarlet, shaded deep maroon.
Prince Camille de Rohan. Deep velvety crimson maroon.

WHITE AND YELLOW VARIETIES

Frau Karl Druschki. An exquisite flower of the purest white.
Margaret Dickson. Very large, pure white; the best of its color in the Hybrid Perpetual class.

Soleil d'Or. Golden orange to reddish gold.

Price of any of the above extra strong, two-year-old plants, 50c. each, \$5.00 per doz., per 100 \$35.00.

ROSA RUGOSA (Japanese or Shrubbery Rose)

Very robust with deep green puffed foliage and produces semi-double and double flowers in profusion during June. In fall and winter the plants are covered with bright red, large berries; an excellent plant for a shrubbery bed or a solid hedge.

	Each	Dozen
Rubra. Deep reddish pink, single	\$0.50	\$5.00
Alba. Single white .....	.50	5.00
Conrad Ferd. Meyer. Double, light pink.....	.50	5.00
Blanc Double de Coubert. Large double pure white ..	.50	5.00
Juliet. Strictly speaking, this is probably not a Rugosa type, but is classed with the Briars. One of the best of its kind, producing a rich gold-shade double flower with a rosy red centre. A desirable hot weather rose. 75c. each, per doz. \$7.50.		

DWARF RAMBLER ROSES

This class is ideal for bedding, as they flower continuously from June 'till severe frosts overtake them. In height they seldom exceed 24 inches and are very bushy. At times the whole plant is a mass of bloom. Edging rose gardens with these is distinct feature.

Baby Rambler. Exactly like the climbing Crimson Rambler in color and form.

Catherine Zeimet. Sometimes called the White Baby Rambler; color, pure white.

Erna Terschendorff. The true scarlet Baby Rambler, decidedly the best colored one in this class and holds its color for a long while, without fading. 75c. each, per doz. \$7.50.

Mrs. W. Cutbush. Beautiful clear pink of delightful shade; extremely free and of compact growth.

Price of any of the above Dwarf Ramblers (except where noted), 50c. each, doz. \$5.00.

ROSA WICHURIANA (The Creeping or Memorial Rose)

The long slender stems which are completely dressed with small glossy deep green foliage trail to any rock, ground, trellis or wire and often grow 20 feet in one year. During their flowering season the foliage is entirely hidden by the wealth of fragrant blossoms. For cemeteries they are ideal, as they flower about the end of May. Rockeries, terraces and bare spots in gardens cannot be more readily beautified.

	Each	Dozen
Wichuriana Type. Single white flowers.....	\$0.50	\$5.00
Gardenia. Buds bright yellow, open double cream-colored flowers .....	.50	5.00



Rose Mrs. John Laing

Our Roses Are Extra Large and Can Be Shipped via Express or Freight Only. No Plants sent C. O. D.

TWO STERLING PREPARATIONS FOR ROSE ENEMIES

READEANA ROSE BUG EXTERMINATOR (Poison)



THE Rosebugs of all classes are the most destructive and the hardest to conquer of any insect pest. They appear, as if by magic, often thousands at a time, and

spoil any possible chance to get even a single perfect rose flower in the spring months. Entomologists have studied this question with long and serious thought and were never able to offer a solution until the advent of "Readeana." This preparation is the result of a chemist after years of untiring energy expended in finding something that would absolutely destroy and drive away rosebugs and insects of every kind that damage foliage and flowers of trees, bushes and plants of all kinds. While the preparation itself is poisonous, it is perfectly safe, if used according to directions, when not the slightest danger exists. It is perfectly harmless to and does not stain foliage or flowers. Its greatest value is in destroying rosebugs, and occasional spraying with this preparation will keep all kinds of plants free from insects of all classes. May be used in the greenhouse, among houseplants or outdoors with equal success. Be sure and include some of it in your order. Read directions carefully before using.

Per small bottle.....\$0.50
24 oz. bottle..... 1.00
1 gallon 4.00
5 gallons 17.50

Dilute 1 part Readeana to 3 parts of water.
Readeana is not mailable.

"ELECTRIC" WORM ERADICATOR (Poison)

YOU have often seen plants of various kinds which looked reasonably healthy and at the same time did not appear to be thriving. In conditions of this kind the trouble may invariably be traced to something working in the soil at the root of the plant, making it impossible for the plant to absorb the required nutriment from the soil. The above is particularly true of pot plants, which often make up the window garden. Electric Worm Eradicator dilutes one part to 120 parts of water for average pests that work in the soil. For the more hardy kinds a dilution half as strong as above is recommended, though we advise at all times the cautious use of this, so as not to get it too strong. A single application, which is always made on the top of the soil (not on the foliage or the plant) will bring any worms, grubs or insects underneath, to the top at once, where they will perish.

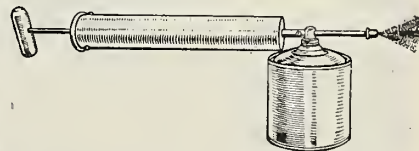
This preparation is highly recommended for use on the lawn, in the vegetable or flower garden or on any occasion where it is desired to rid the soil from insect pests. It is perfectly harmless to plant, animal or human life, if used according to directions.

Medium size bottle.....\$0.50
24 oz. bottle..... 1.00
1 gallon 4.00
5 gallons 17.50

Dilutes 1 part Eradicator to 120 parts of water.
Worm Eradicator is not mailable.

Michell's Automatic Compressed Air Hand Sprayer.

Particularly adapted for applying "Readeana" and other liquid Insecticides. By reason of its easy operation we recommend it especially to ladies, who do their own flower gardening. It is far in advance of the ordinary hand sprayer, and we are safe in saying that the user would not part with it for ten times its cost, if he could not get another. This sprayer can be obtained in Philadelphia from us only, as it is an exclusive style. It is made in brass and heavy tin, with a device for spraying under the foliage. We recommend the brass, as it will outlast the tin many times and is non-corrosive. Sold with the money-back guarantee, if not the best hand sprayer you ever used.



Heavy Tin, \$1.00 (postpaid, \$1.15). Heavy Brass, \$2.00 each (postpaid, \$2.25).

See Also Pages 189, 190 and 191 for Other Spraying Apparatus.

SEE PAGES 192 AND 193 FOR OTHER INSECT DESTROYERS.

HARDY CLIMBING ROSES

SPECIAL OFFER: We have a limited number of the following roses, which we have grown out in the field two years, and have now potted. These are virtually 4 years old, and will make a handsome show:

American Pillar, Crimson Rambler, Dorothy Perkins, Hiawatha, Lady Gay, Tausendschon, White Dorothy Perkins, Yellow Rambler. Any of the aforementioned \$2.50 each. These are extra fine specimens.
Christine Wright, Climbing American Beauty, each \$3.00.

STANDARD VARIETIES

Crimson Rambler. One of the most popular roses, producing large clusters of bright crimson flowers; a well established plant in full bloom is one of the finest attractions. It grows 20 feet high and more, and can readily be used to cover trellis, verandas, pergolas and fences. Extra strong size 50c. each, doz. \$5.00; large specimen plants \$1.00, \$2.00 and \$3.00 each.

Dorothy Perkins. The best pink climbing rose we know of, very robust, attaining a height of 15 feet in a season. Its foliage is smaller than that of the Crimson Rambler, but is much more attractive on account of its glossy surface. It also retains the foliage better after the flowering season; the branches are more slender and far more numerous and cover a trellis or wood work more densely. The flower, which is very double and is borne in immense clusters, is of the most delicate pink and has the splendid quality of retaining its color till it drops. It is a clean grower, not being susceptible to mildew or other diseases. Exceptionally fine plants. 50c. each, doz. \$5.00.

Lady Gay. In appearance similar to D. Perkins, but the flowers when in bud are of a true pink, while when open they fade to almost white, this is not an undesirable feature, but rather an attraction; grows very rapidly. 50c. each, doz. \$5.00.

Yellow Rambler. Of slender growth and fine foliage, it produces medium-sized clusters of double, canary yellow flowers. 50c. each, doz. \$5.00.

Marechal Neil. An old-fashioned rose, which in the northern latitude of the United States is not hardy. The flower is enormously large, of excellent form, of primrose yellow and of a most delicious fragrance; a single crop of flowers will repay its cost, by reason of its living but one season. Strong Plants 50c. each, doz. \$5.00.

Baltimore Belle. The rose of our grandmother's time. The large double flowers are borne singly and are of a delicate bluish pink color; very effective during the blooming season. 50c. each, doz. \$5.00.

Yellow Persian. A favorite of the old-fashioned garden. The plants should not be used for covering trellis, but more as a pillar rose. The flowers are single, of a deep golden yellow, produced in great profusion all along the stem. 50c. each, doz. \$5.00.

Excelsa. Very double bright scarlet flowers, making an excellent contrast with pink Dorothy Perkins. Is strictly mildew-proof and we can recommend it in the highest terms. 75c. each, per doz. \$7.50.

NEWER VARIETIES

American Pillar. A strikingly beautiful variety; the foliage is most distinct, being a rich deep green and large in size, retaining its lustre till winter approaches. The single flower, which is immense in size, is of a delicate pink. The yellow centre makes such a splendid contrast so that this feature is the charm of the flower. When the plant is in bloom the foliage is entirely hidden. 60c. each, doz. \$6.00.

Tausendschon. An excellent rose for a pillar or post, its foliage is very clean and healthy. Its main charm lies in its beautifully formed clusters of from 6 to 10 flowers, which open one bud at a time. As a bud it is a deep pink, just as it opens it turns lighter, and when fully opened it is almost white. With a succession of buds opening, one finds these three shades in the cluster at one time. 50c. each, doz. \$5.00.

Hiawatha. Ideal for trellis, pergolas or fences on account of its rapid growth. When in bloom nothing can approach it for effect, although the flowers are of single form, the effect is not less rich, because the clusters are so enormous, that from a distance they are judged as double. The color is ruby red with a bright whitish centre. 50c. each, doz. \$5.00.

White Dorothy Perkins. In habit of growth it is exactly like the pink of the same name, the flowers though are pure white. 50c. each, doz. \$5.00.

Veilchenblau (The Blue Rose). A sensational novelty, the flower which in bud is a violet blue which changes to steel blue. It must not be understood that the blue in any of the flowering stages is true blue, as it has a tendency to show crimson. 50c. each, doz. \$5.00.

Ard's Rover. Only of medium tall growth with very robust foliage with very double flowers that are produced in individual specimens; the color is a deep rich maroon; very free. 50c. each, doz. \$5.00.

Dr. Van Fleet. The flowers are very large and double and when fully open measure often 4 inches across; though produced on a climbing plant, they are splendid for cutting, as they are produced on single stems often 12 to 18 inches long. A very healthy grower. 50c. each, doz. \$5.00.

Flower of Fairfield. A crimson Rambler of everblooming nature. Its main crop of flowers appears in June and an individual spray is produced from time to time till fall. 60c. each, doz. \$6.00.

Climbing American Beauty. Flowers are very full, double, often 5 inches across and of a rosy crimson; a splendid pillar rose. Each \$1.00.

Christine Wright. An everblooming, climbing rose with large double pink flowers; come singly and in clusters; flowers continuously from June till frost. Each \$1.00.



Dorothy Perkins Rose

MICHELL'S GIANT FLOWERING IRIS



IRIS PUMILA

The first of the Iris to bloom resembling in appearance the German variety; the plants are 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

	Each	Doz.	100
Violacea. Dark blue	\$0.10	\$1.00	\$7.50
Azurea. Light blue .....	.10	1.00	7.50
Lutea. Yellow .....	.10	1.00	7.50

IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them when spread, measure 12 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich location.

The names being rather awkward, we have arranged them under number so they can be ordered more readily.

Mixed, all colors, large roots. 15c. each, doz. \$1.50, \$10.00 per \$100.

Double Varieties.

- 1 **Yomo-No-Umi.** Early double, pure white.
- 2 **Koki-No-Iro.** Rich purple, veined white.
- 3 **Kuma Funjiu.** A silver shade, bordered lilac, veined white.
- 4 **Uchu.** Rich purple with crimson shading.
- 5 **Renjo-No-Toma.** Fluted petals of light violet, white centre, with light veinings.
- 6 **Wakamurasaki.** Purplish crimson, dark centre shaded lilac.
- 7 **Hodai.** Delicate lavender, veined with deep purple.
- 8 **Mana-Dsura.** A splendid late pure white.
- 9 **Ho-O-Jo.** Deep purple, with a velvety crimson sheen.
- 10 **Geishoi.** Brilliant crimson purple, elegantly veined white.
- 11 **Kan-Ran.** Pure white, with rich veinings of deep violet.

Single Varieties

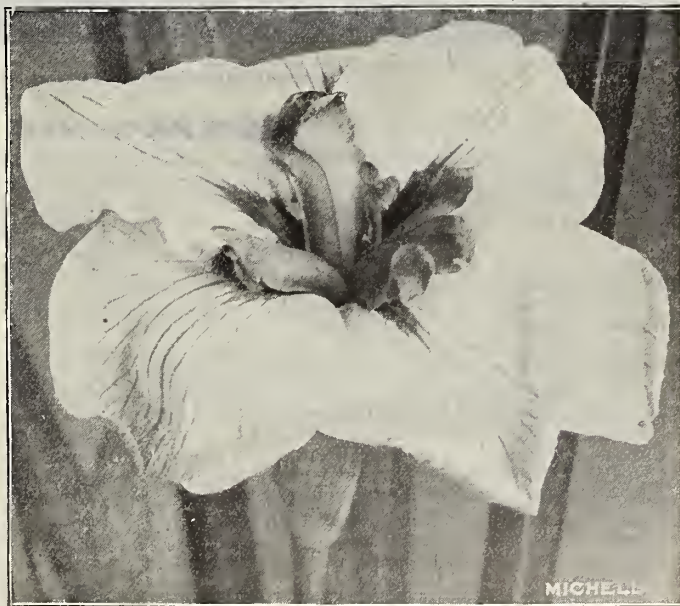
- 12 **Tora-Odori.** Delicate lavender on white ground.
- 13 **Osakazuki.** Delicate mauve, shaded lilac.
- 14 **Komanyo.** Rich violet-blue, marked and veined white.
- 15 **Yomo-Zakuru.** Veins of deep purplish red on light ground.

Price of any of the above-named sorts, in strong roots, 25c. each, doz. \$2.50, \$15.00 per 100.

IRIS GERMANICA (German Iris)

This is the popular "Flag Iris," thriving best in a high dry soil; when planting observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely; most effective when planted in masses either in the hardy border in front of shrubbery or in beds.

	Each	Doz.	100
Gloire de Hillegom. Light blue	\$0.15	\$1.50	\$10.00
Gracchus. Crimson and white .....	.15	1.50	10.00
Honorabilis. Golden yellow and bronze....	.15	1.50	10.00
Innocenza. Pure white .....	.15	1.50	10.00
Kharput. Deep blue .....	.15	1.50	10.00
Mad. Chereau. White, edged blue .....	.15	1.50	10.00
Maori King. Rich golden yellow .....	.15	1.50	10.00
Queen of May. Light pink .....	.15	1.50	10.00
Pallida Dalmatica. Delicate lavender .....	.25	2.50	15.00
Mixed Varieties, all colors .....	.15	1.25	7.00

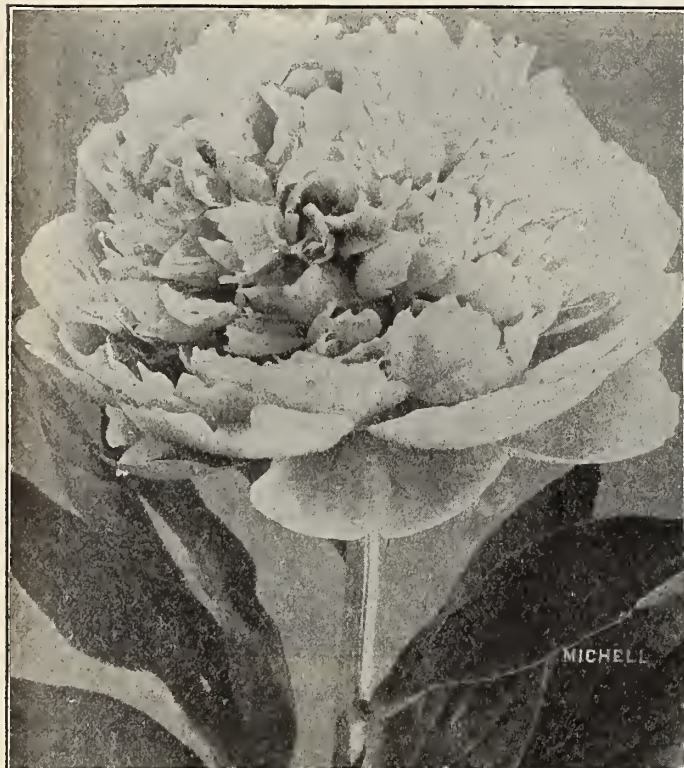


Iris Kaempferi (Japanese Iris)

MICHELL'S GORGEOUS (GIANT FLOWERING) PÆONIES

This "Queen of Spring" holds a place entirely her own in effective gardens. The exquisite form, the delicate and rich colors, its value for garden or house decoration, and the delightful fragrance are all points in its favor. No disease or insect ever troubles this plant. The best effect of Pæonies is attainable when massed by themselves in groups on lawns or borders with a distinct background of shrubbery. They delight in a sunny location in soil rich and as deep as possible. After planting take care to see they are watered regularly until you feel they are established. At blooming time the size and quality of flower are greatly increased if water is supplied in absence of occasional rains. In planting always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September. All our roots are extra strong and will give fine results.

Attention is called particularly to our revised list of named varieties, which includes the very finest sorts. The day of the common garden pæony is about over, the improved named sorts, which cover every imaginable shade of color, being sought after instead. **We send out only extra strong roots.**



A beautiful effect can be had from Paeonies planted in this fashion

SUPERB NAMED DOUBLE PÆONIES

During recent years wonderful progress has been made in the production of newer sorts, and no choice garden can afford to be without a good collection of these magnificent named varieties, as they furnish a continuous supply of bloom during pæony season. The varieties are numerous but the shades of color are confined to a limited number, and for that reason we offer a short list that we have selected from a great many sorts; these having proven to be the best.

PINK SHADES		Each	Doz.	PINK SHADES		Each	Doz.
Achille. Beautiful shell pink, changing to lilac white. Splendid variety		\$0.25	\$2.50	Delicatissima. Pale lilac rose, free habit and fragrant .....		.50	5.00
Beaute Francaise. Lilac-rose, with a cream white collar; centre spotted carmine. Very fragrant....	.35	3.50		Edulis superba. Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts .....	.25	2.50	
Berlioz. Perfect form. Large magenta rose color; silver tipped. Late.....	.35	3.50		Eugenie Verdier. Giant globe-shaped flower of a soft pink color. Mid-season .....	.50	5.00	
Dr. Bretonneau. Lilac rose, with cream white centre, flecked crimson.....	.25	2.50		Faust. Delicate flesh pink, with a clear salmon centre .....	.25	2.50	
Carnea Elegans. Of a clear flesh color, glossy reflex. A free bloomer .....	.35	3.50		Grandiflora Rosea. Full globe-shaped flower, light solferino red petals, salmon centre.....	.25	2.50	
Charlemagne. Excellent, very large flowering variety. Lilac white, with a light pink centre. Fragrant .....	.50	5.00		L'Indispensable. Perfect shaped flower of a delicate creamy color, beautifully shaded pink in centre. Very striking variety .....	.50	5.00	
Clarisse. Beautiful rose pink, with silvery pink centre; fine form and habit .....	.25	2.50					

We send out extra large Paeony Roots

MICHELL'S SUPERB NAMED PAEONIES—Continued

PINK SHADES—Continued

	Each	Doz.
Mme. Forel. Late desirable sort. Very large compact flowers of a beautiful shade of light pink, with a silvery tipped centre \$0.50	\$0.50	\$5.00
Madame Jules Calot (F). Pale pink, with a slightly darker centre. Extra early variety. Fine for cut flowers 1.00	1.00	10.00
Mons. Krelage. Grand flowers of dark pink color. Large and compact. Very desirable variety..... .50	.50	5.00
Paganini (F). Bright pink, with salmon center. Fine variety for cutting ..... .75	.75	7.50
Plenissima Rosea superba (F). Lilac rose, with silver tipped centre, flecked crimson and green... .75	.75	7.50
Zoe Calot (F). Very large, globe-shaped flower, well filled. Delicate pink ..... .75	.75	7.50

RED AND DARK SHADES

Andre Laurias (F). Very large, compact flower, of a splendid dark rose shade, with red reflex and white splashes. Very late; extra fine variety.... 1.50	1.50	15.00
Anemoneflora Rubra. Anemone form, having a broad collar and a mass of narrow petals in the centre; a beautiful dark crimson ..... .35	.35	3.50
A. Verschaffelt (F). Deep purple amaranth. Globular, compact flower ..... .75	.75	7.50
Delachi. Large flowers of a deep purple color; free bloomer ..... .35	.35	3.50
Duc de Cazes (F). Dark pink, with silvery collar. Free bloomer and very fragrant ..... .75	.75	7.50
Emile Lemoine (F). Solferino. Red, with silvery tips. Very fragrant ..... .75	.75	7.50
Felix Crousse. Large bright red flowers on long stems. Extra fine, self-colored variety ..... .50	.50	5.00
General MacMahon. Large anemone-shaped flower of a deep violet color. Magnificent variety..... .50	.50	5.00
Gloire de Douai (F). Purplish scarlet. Large flower, suitable for cutting ..... .75	.75	7.50
L'Eclatante. Large globular flower of brilliant red color; very good variety ..... .75	.75	7.50
Madame Jules Elie (F). Splendid globe-shaped flower of a violet rose color, cream white collar and centre flecked crimson. Mid-season 1.00	1.00	10.00
Marechal McMahon (F). Large showy flower of dark reddish pink, with a silvery reflex. Mid-season 1.00	1.00	10.00
Meissonier. Loose reddish purple flowers on tall stems. Very fragrant. Very good variety ..... .35	.35	3.50
Van Dyck (F). Pure mauve, with cream white collar. Very fragrant. Free bloomer. Splendid for cutting ..... .75	.75	7.50
Victor Hugo. One of the very best of red paeonies. Brilliant carmine red. Unsurpassed for cutting.. .75	.75	7.50

WHITE AND LIGHT SHADES

Agnes Mary Kelway. The outer large petals are white tinted rose, while the centre is a cream shade; a very striking flower ..... .25	.25	2.50
Alba Plena. A giant flower of the purest white; very double. Of superb fragrance ..... .25	.25	2.50
Bridesmaid (F). A distinct and beautiful variety, producing full double flowers of a rosy white color, with wide incurved petals showing an open centre, filled with yellow stamens like a water lily..... 1.00	1.00	10.00
Candidissima. Creamy white, with a clear, sulphur-yellow centre, which shows an occasional slight tint of flesh pink ..... .50	.50	5.00
Couronne d'Or. Immense, very full, imbricated ball-shaped form; color, snowy white with yellow reflex and deep pink edges on a few petals ..... .50	.50	5.00
Duc de Wellington. Large, sulphur-white flower of great fragrance and with long stems ..... .35	.35	3.50
Duchesse de Nemours. Pure white, with a sulphur white centre; very early and extra fine ..... .30	.30	3.00
Festiva maxima. Beautifully shaped flower, often 7 to 8 in. in diameter. Pure white, splashed red... .25	.25	2.50
Dr. Bretonneau. Pale lilac, centre white shaded amber ..... .50	.50	5.00

WHITE AND LIGHT SHADES

	Each	Doz.
Grandiflora Carne plena (F). One of the earliest. Large flowers of a delicate lilac-white color. Very desirable variety \$0.75	\$0.75	\$7.50
Humei Alba (F). Lilac white. Early flowering. Large, flat, loose type ..... .75	.75	7.50
La Rosière. Of striking appearance; imbricated petals of yellowish white, with straw yellow centre. Looks like a large tea rose ..... .35	.35	3.50
L'Esperance (F). Milk white. Crown splashed and dotted pink. Free flowering and very fragrant.. .75	.75	7.50
Lutea variegata (F). Delicate fleshy white, shaded yellow ..... .75	.75	7.50
Mad. Fould (F). Late flowering. The flowers are very large and compact. Outer petals milk white, center, lilac white; very slightly flecked with crimson. Excellent for cut flowers. One of the finest white varieties 3.00	3.00	30.00
Marie Lemoine. Very large, compact flower of lasting qualities. Delicate white rose, with a creamy centre ..... .50	.50	5.00
Mlle. Leonie Calot. Delicate rose white, centre petals slightly tipped carmine. Mid-season ..... .50	.50	5.00
Nivea plenissima (F). White, with light yellow carmine spots. Early variety ..... .75	.75	7.50

PAEONY CHINENSIS

This is the common garden variety in cultivation most everywhere.

	Each	Doz.	100
Double Red. Large roots \$0.25	\$0.25	\$2.50	\$15.00
Double White. Large roots ..... .25	.25	2.50	15.00
Double Pink. Large roots ..... .25	.25	2.50	15.00
*Extra Large 4-year-old roots of the above variety and colors ..... .50 5.00 35.00			
Mammoth. 6 to 7-year-old clumps of above, \$1.00 each; doz.\$10.00			

(*These clumps cannot be mailed, too heavy.)

PAEONY OFFICINALIS (The old fashioned Paeony)

Fragrant flowers of immense size, flowering early in May and having a distinct foliage and growth.

	Each	Doz.	100
Rosea. Double pink \$0.30	\$0.30	\$3.00	\$20.00
Rubra. Double red ..... .30	.30	3.00	20.00
Alba. Double white ..... .30	.30	3.00	20.00

One each of the above 3 colors for 75c.

PAEONY TENUIFOLIA Flore Plena

An early flowering specie with fern-like foliage and double deep crimson flowers, a shade like the Jacq Rose; this is undoubtedly one of the most attractive paeonies in cultivation, excellent for massing or planting individually in the herbaceous border, blooming very early in May, sometimes latter part of April, makes an exceedingly attractive plant. Each, 30c.; per doz., \$3.00; \$20.00 per 100.

DOUBLE TREE PAEONIES

These very beautiful and free-flowering paeonies deserve to be included in every collection. They are from 2 to 3 weeks earlier than any other variety and the flowers, often measuring a foot in diameter, include every shade from white and softest pink to the most brilliant scarlet and purple

Etna. Brilliant fiery red.
Louise Mouchelet. Beautiful silvery rose; extra large flower.
Queen of Belguims. Blush shaded salmon rose. Splendid variety.
Rosea superba. Salmon rose; semi-double. Beautiful.
Bijou de Chusan. White, suffused with blush; splendid form.
Lambertiana. Pure white, suffused with delicate rose.

Any of the above varieties \$1.00 each; per dozen, \$10.00, (or 1 of each for \$5.00).

Paeony Culture is fully covered by Michell's Bulb Growing Guide. Ask for a free copy.

Watch for the announcement of our annual Paeony Show in June



PERENNIAL PLANTS

NEW VARIETIES AND OLD ONES
OF SPECIAL MERIT

ACONITUM (Monkshood)

Fischeri. Grows 18 inches high with large pale blue flowers which appear in September and October. This is one of the finest varieties of Aconitums, extremely showy.

Lycotomum Pyrenaicum. Pale yellow, flowering abundantly in June and July, with an average height of 4 feet. Either of the above, 25c. each, doz. \$2.50. (See also page 136 for other Aconitum.)

ANEMONE JAPONICA

Alice. As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost. While we have some good sorts in white and lavender pink, there never has been a real pink until this variety was placed on the market. The shade is brilliant, which looms up in the garden; it may be used for splendid effect as a cut flower; height, 15 inches. 25c. each, doz. \$2.50, \$15.00 per 100. See also page 136 for other Anemones.

AQUILEGIA (Columbine)

Flabellata Nana Alba. Pure white, of dwarf growth, being especially useful for rock garden planting. Commences flowering in May and lasts well into the summer.

Erskine Park Hybrids. A combination of the most striking colors, ranging through lavender, blue, mauve, white, yellow, orange, scarlet and pink. It is hardly possible to get such a collection of colors in any other mixture.

Price of the above Aquilegias, 15c. each, doz. \$1.50, \$10.00 per 100.

(For other Aquilegias see Page 136.)

ARTEMISIA

Lactiflora. An excellent perennial with flower stems three to four feet long, covered with creamy white flowers, especially desirable as a late summer blooming plant, as it commences in August and lasts well into September. 30c. each, doz. \$3.00.

HARDY ASTERS

Amellus Beaute Parfait. One of the best of the Amellus section, exceeding all others in size of flower and beauty of color, which is an unusually fine dark shade of violet.

St. Egwin. A novelty of recent introduction and is one of the finest hardy Asters in cultivation. Densely branched, producing beautiful pink flowers in great profusion.

Amellus, Perry's Favorite. In size and brilliancy this equals the Beaute Parfait. The color is a pleasing bright pink and a distinct choice variety.

The above hardy Asters, 25c. each, doz. \$2.50.

(See also page 136 for other hardy Asters.)

BEGONIA (Hardy)

Evansiana. A new variety of great merit, tuberous rooted and perfectly hardy, although we recommend a covering of long manure or litter during the winter, does splendidly in shaded places. It blooms during the entire summer, producing an abundance of single, pleasing pink flowers. The foliage dies down in the winter. 15c. each, doz. \$1.50, \$10.00 per 100.



Clematis Tanguticus

CLEMATIS

Tanguticus. An important introduction from China. Not only possesses the merits of Clematis Paniculata, but it has undoubtedly one of the finest foliages any Clematis can boast of. Quite different from the older types, being more graceful. The vines cover very densely and even without flowers it is attractive. The latter are fairly large, hooded and of a clear buttercup yellow. The main attraction of the variety lies in the fact that after it has ceased blooming, each flower produces a seed-pod which resembles the top of "Old Man's Cactus"; flowers in June. 75c. each, doz. \$7.50. (See also page 145 for other Clematis.)

Note.—This year we have greatly increased our facilities for producing perennial plants. Our collection has been greatly improved and customers in this department will be pleased with the quality we will furnish them.

TESTIMONIAL

FAIRMONT, W. VA.

The herbaceous perennials were fine, husky specimens. Thanks for the good quality.

ALEX. MACELWEE.

Supt. to Hon. C. W. Watson.

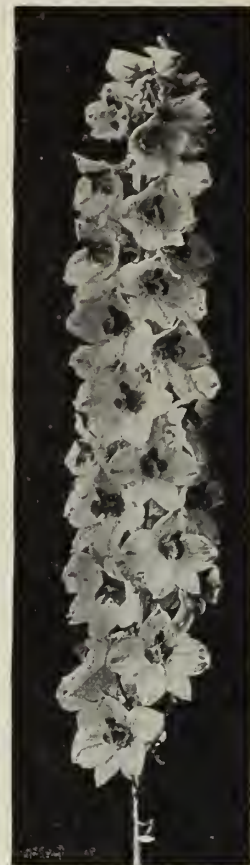
DELPHINIUM (Larkspur)

Moerheimi. The first and only real pure white hardy larkspur. It grows 3 to 4 feet high, the flowers bloom continuously from June until Autumn and produce more spikes on a single plant than any other variety. The side stems themselves are often over two feet long. These qualities make it one of the best varieties for cutting. The flowers are of the purest white. One can hardly imagine a prettier effect than large clumps of this white Delphinium intermixed with the rich shades of blue of the other sorts. \$1.00 each (stock limited).

Belladonna Semi-Plena. The finest of all in light blue larkspurs. The majestic spikes are covered with flowers of gigantic size. The latter appearing in several rows on the stem. Planted amongst the

dark blue kinds it makes a charming effect. 75c. each.

(See also page 137 for other Delphiniums.)



Delphinium

HEMEROCALLIS

(Yellow Day Lily)

Dumortieri. A very dwarf-growing sort, flowering in June, which is earlier than most other sorts of the better class. The buds are rich yellow, while the back of petals when the flower is open are a shade of bronze. 20c. each, doz. \$2.00.

Dr. Regal. One of the best of the late flowering sorts, producing beautiful rich apricot colored flowers on stems 2½ feet long. 25c. each, doz. \$2.50.

Dr. Sovereign. The flowers are enormous, broad open petals of a rich shade chrome yellow, tinged brown on the reverse side. A variety that will appeal to all who are fond of this class of plants. 40c. each, doz. \$4.00.

(See also page 139 for other Hemerocallis.)



PERENNIAL PLANTS

NEW VARIETIES AND OLD ONES OF SPECIAL MERIT



Hydrangea Bouquet Rose

HYDRANGEAS

These are of the Otaksa or Japanese type, which one sees in great quantities at the Atlantic seashore resorts. They do equally well planted in any locality, and always produce immense trusses of flower heads. We recommend that they be afforded a slight protection during the winter.

Avalanche. Pure white flower heads, the best of this color.

Bouquet Rose. Flower heads of exceptional beauty; rosy pink, turning brighter as the flower ages.

(See also top of next column.)



German Iris

HYDRANGEAS (Continued)

Souv. de Mad. Chantard. Of compact growth with medium sized, bright pink flower heads.

Price of these new Hydrangeas, 75c. each, doz. \$7.50, or one of each variety for \$2.00.

(See also pages 123-144-146 for other Hydrangeas.)

IRIS

Orientalis. Rich violet blue, flowering as early as the Pumila type, is a free bloomer and distinct in every way, especially desirable for planting among shrubbery or rock garden work.

Orientalis, Snow Queen. A pure white variety of the preceding sort, to which it is a desirable companion.

Germanica, Gypsy Queen. A splendid variety with orchid-like flowers of lavender bronze, shaded old gold.

Germanica, Eugene Sue. Creamy white, with purple spots and stripes, a very desirable variety.

Price of the above 4 Iris, 20c. each, doz. \$2.00.

(See also page 131 for other Iris.)

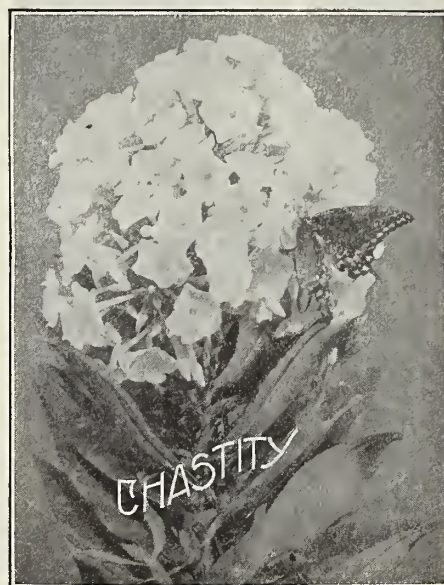
PHLOX

Chastity. There are many good white Phloxes offered to-day, but none that we have seen can approach this novelty, for its quite distinctive feature. It is one of the earliest to bloom and remains in flower as late as many other sorts. By that we do not mean in partial bloom, but rather in full flower. The plant itself is of medium height, extremely robust, with deep green foliage, which is crowned with gigantic flower heads of glistening white flowers, each of which is of immense size. It has, without doubt, the largest individual bloom and cluster of any of the Phloxes. Combining this quality with that of continuous flowering makes it of unusual value. We have control of the entire stock of this novelty. 50c. each, doz. \$5.00. (See also pages 124-141 for other Hardy Phlox.)

ORIENTAL POPPY

Mrs. Perry. This class of poppy has always been one of the most showy flowers, producing specimens which readily measure 9 inches when open. The newer varieties which have been heralded with much acclaim have been rather disappointing because, while they give us new colors, the size of bloom is much smaller, thereby losing much of their beauty. Not so with "Mrs. Perry." The stems average a height of 4 feet and are crowned with flowers which are simply gigantic. The color is distinctly new and the most attractive of any poppy ever known. The shade may be termed rich salmon pink. 25c. each, doz. \$2.50, \$15.00 per 100.

(See also page 141 for other Poppies.)



Phlox Chastity

VINCA MINOR

Aurea. A hardy species of the variegated periwinkle. Most every one knows the special merits of the old-fashioned dark green leaved variety, so much used for planting in shaded places. This new type is identical in form and habit with the old one, except that the leaves are lighter green, with a golden yellow margin. For planting rock gardens in cemeteries, under trees where grass will not thrive, there is nothing to equal it. When planted in window boxes with Boxwood or other evergreens for winter decorations it makes a beautiful effect. The flower is a light lavender. 25c. each, doz. \$2.50, \$18.00 per 100. (See also pages 123-143 for other Vincas.)

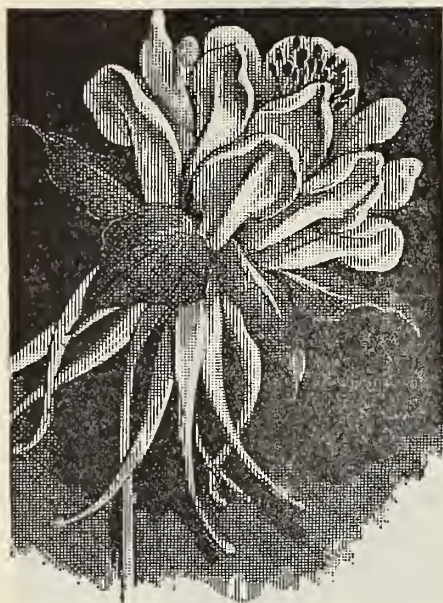


Poppy Mrs. Perry

Plants travel best by express or freight. No plants sent C. O. D.



HARDY PERENNIAL PLANTS



Aquilegia

ACHILLEA (Sneezewort)

Ptarmica Plena, The Pearl. Flowers borne in the greatest profusion the entire summer on strong erect stems 2 feet high; of the purest white.

Millefolium Cerise Queen. Rich red.

ACONITUM (Monkshood)

Bushy plants growing 4 feet high and blooming in clusters of beautiful helmet-shaped flowers from late summer till frost. Well adapted for shady situations.

Napellus Bicolor. Dark blue and white flowers.

Napellus Album. Fine white flowers.

Wilsoni. Large violet blue, quite new and rare, blooms in September.

Lycotomum. Pale yellow, blooms in June and July.

Fischeri. Grows 18 inches, pale blue.

Price of Aconitum, 25c. each, doz. \$2.50.

AGROSTEMMA (Campan)

Coronaria. Tufts of silvery foliage throwing up many silver-lined stems 2 feet high, with bright single crimson flowers during June.

AKEBIA (See Page 144)

ALTHEA (See Page 117)

ALYSSUM (Gold Dust)

Saxatile Compactum. A splendid edging plant. Silvery gray foliage which, at the end of May, are surmounted with masses of deep golden flowers.

AMPELOPSIS (See Page 144)

ANCHUSA

Italica, Dropmore Variety. Plants grow 4 feet high in pyramidal shape; branch freely and are overloaded with bright blue, forget-me-not-like flowers; from June 15th till late in fall; very showy and valuable. 25c. each, doz. \$2.50.

ANEMONE JAPONICA (Wind-flower)

Two to 3 feet high and are ideal for cutting; flowers in cup form appear some time in August and remain till frost. Plants require winter protection.

ANEMONE JAPONICA (Continued)

Alice (New). Shell pink, very brilliant and free blooming. 25c. each, doz. \$2.50.

Kriemhilde. Semi-double, very large, lovely rose pink, fine for cutting. 25c. each, doz. \$2.50.

Whirlwind. Large semi-double pure white.

Prince Henry. Deep rich pink double flowers.

Alba. Large, pure white.

Rosea. Delicate silvery pink.

Rubra. Rich rosy red.

AQUILEGIA (Columbine)

For spring flowers they are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their elegant foliage.

Chrysantha. Bright yellow, long flowers.

Coerulea. Blue and white, long spurred.

Chrysantha Alba. Pure white, long spurred.

Canadensis. Bright red and yellow.

Flabellata Nana Alba. Dwarf, pure white.

Mixed Hybrids. All colors.

Erskine Park Hybrids. All colors mixed.

Michell's Special Mixture. All colors mixed.

Coerulea Hybrida. All colors mixed.

ARABIS (Rock Cress)

Dwarf bushy plants six inches high; ideal for rockeries and borders.

Alpina. Single snowy-white flowers.

Fl. Pl. Double form, very showy.

ARISTOLOCHIA (See Page 144)



Hardy Aster

ARMERIA (Sea Pink)

Maritima. Attractive dwarf plants, forming evergreen tufts from which innumerable pink flowers grow in dense heads on stiff stems 9 inches high.



Anemone

ASCLEPIAS (Butterfly Weed)

Tuberosa. A showy plant, 2 feet high, with clusters of orange flowers in July and August.

HARDY ASTER (Michaelmas Daisy)

Tall flowering stately plants, may be used with splendid effect in borders and as specimens in lawns. For cutting they are invaluable.

Amethystinus. Beautiful amethyst blue. 25c. each, doz. \$2.50.

Novae Angliae Rubra. Tall growing with large rosy purple flowers.

Novae Belgii (Perry's Pink). Beautiful rose pink, profuse bloomer. 25c. each, doz. \$2.50.

Parmacoides Major. Pure white, large flowering.

Robert Parker. Fine lavender blue with yellow centre, very tall.

St. Egwin. One of the finest, very densely branched, flowers pink and in great profusion, 3 feet high. 25c. each, doz. \$2.50.

White Queen. Tall growing, pure white, very fine.

ASTILBE

Grandis. Height about 6 feet, white feathery flower sprays, often measuring 2 feet in length. 25c. each doz. \$2.50.

BOCCONIA (Plume Poppy)

Cordata. A splendid plant 8 feet high, bearing panicles of creamy white flowers, which bloom in July and August.

BOLTONIA (False Chamomile)

Tall growing showy plants with hardy aster-like flowers appear in September, 5 to 7 feet.

Asteroides. Pure white.

Latisquama. Pink, tinted lavender.

Nana. Growing only 2 ft. high.

BUDDLEYA (See Pages 1 and 146)

CALLIRHOE (Poppy Mallow)

Involutrata. Of trailing habit with large crimson flowers with white centre, which bloom all summer.



CAMPANULA (Bell Flower)

Showy perennial plants of special merits; some are tall, suitable as effective borders, others are dwarf, for rockeries and edges. **Glomerata.** Dwarf, dense clusters of funnel-shaped violet-blue flowers, June to August, 18 inches.

Lactiflora. Flowers of bluish white on long spikes; July and August; 2 feet high.

Moerheimi. Giant double bells of purest white, 3 feet. 25c. each, doz. \$2.50.

Persicifolia Grandiflora Coerulea (Peach Bell). Stately spikes, 3 feet high, blue; blooms June and July.

Persicifolia Grand. Alba. Purest white.

Trachelium. Purple, blooms June and July; 3 feet.

CAMPANULA (Canterbury Bells)

This biennial type will last only for the season, and must be planted each year.

Calycanthema. The flowers have a cup and a saucer effect. They flower in June, 4 feet high. Pink, White, Blue, each separate. 20c. each, doz. \$2.00, \$15.00 per 100.

Media, Single. The popular variety generally called Canterbury Bell; blooming in July; height, 4 feet. Pink, Blue, White, each color separate.



HARDY CARNATIONS

For rockeries or borders, they are deliciously fragrant; flowering in June.

Her Majesty. Purest white.

Carmen. Light pink.

Lord Lyon. Deep pink.

White Reserve. Flowers during the whole summer, pure white.

Semperflorens. Mixed, all colors.

Delicata. Flowers of exceptional large size of a delicate soft pink color on very long stems. 35c. each, per doz. \$3.50.

COREOPSIS

Lanceolata Grandiflora. Flowers rich golden yellow of graceful form and fine for cutting; June till October.

HARDY CHRYSANTHEMUMS

One of the best of the autumn blooming perennials, lasting until the snow actually smothers them! The range of color, the type of flower is in great variety and on that account is becoming a popular hardy garden subject. To facilitate selection we have classed them as to colors; the letter L prefixed means large flowered; the letter S, small flowered, the letters Sg., single; the letter A, anemone flowered. (See list of varieties in next column.)



Hardy Chrysanthemum

YELLOW VARIETIES

- S. **Agalia.** Light orange, shaded pink.
- L. **Ashbury.** Sulphur yellow, extra good.
- S. **Baby.** Small golden yellow.
- L. **Excelsior.** Light orange yellow.
- L. **Globe d'Or.** Dwarf, clear yellow.
- L. **Ida.** Bright golden yellow, early.
- L. **Miss Julia.** Orange, turning yellow.
- S. **Triumphe d'Or.** Rich golden yellow.
- L. **Windlass.** Rich orange, fine.

BRONZE VARIETIES

- Sg. **Aaron.** Bronzy scarlet.
- S. **Henrietta.** Bronze, edged yellow.
- S. **Jeannetta.** Silvery bronze.
- L. **Le Czar.** Golden bronze, tipped red.
- L. **Sylvia.** Scarlet bronze, tall.
- L. **Urith.** Bronze, tipped yellow.

WHITE VARIETIES

- S. **Anna Mary.** Cream white, shaded pink.
- A. **Furnessia.** Silvery white.
- L. **Germania.** Straw white, long stems.
- L. **Gladys.** Flushed pearl.
- L. **Irene.** Pure white, shaded pink.
- S. **Jas. Boone.** Pure glistening white.
- L. **Lady Naylor.** Pure white, extra large.
- L. **Queen of Whites.** Fine creamy white.
- L. **St. Elmo.** Extra fine, pure white.

PINK VARIETIES

- S. **Cerise Queen.** Fine for cutting.
- S. **Dawn.** Delicate daybreak pink.
- L. **Elkton.** Light pink, very double.
- L. **Findon.** Rich violet rose.
- S. **Nellie Rainsford.** Dwarf, light pink.
- L. **Queen of Bulgaria.** Rosy crimson.
- Sg. **Rosy Morn.** Silvery pink.
- L. **St. Iloria.** Silvery rose.

RED AND SCARLET VARIETIES

- L. **Dundee.** Very dark red.
- S. **Ermine.** Orange scarlet.
- S. **Fred. Peele.** Rich lilac red.
- L. **Julia Lagravere.** Rich maroon.
- S. **Viola.** Rich violet red.

Price of Hardy Chrysanthemums, extra strong young plants, to bloom first season, 15c. each, doz. \$1.25, \$8.00 per 100.

DELPHINIUMS (Hardy Larkspur)

There is no more stately flower than the hardy larkspur, succeeding so well in all kinds of soils and under the most trying conditions. Its wealth of bloom appears in June. If cut down immediately afterwards it will send up new shoots, which flower uninterruptedly from the end of August till November.

Bella Donna Semi Plena (New). Finest of all light blue larkspurs, the flowers are gigantic, with several rows of petals, which produce an immense effect. 75c. each.

Moerheimi (New). The first real pure white Delphinium. This novelty has proven every claim made by the originator, it is one of the finest novelties introduced during the last five years. The slender graceful spikes attain a height of 3½ feet. \$1.00 each.

Bella Donna. The freest and most continuous blooming of all. The clear turquoise-blue flowers are not equalled by any. 25c. each, doz. \$2.50.

King of Delphiniums. Remarkably strong, vigorous plants with flowers of gigantic size, semi-double, deep blue, white eye. 50c. each, doz. \$5.00.

Formosum. Dark blue, white centre, spikes 3 to 4 feet tall, vigorous; free blooming.

Formosum Coelestinum. Most beautiful heavenly blue, immense flowers.

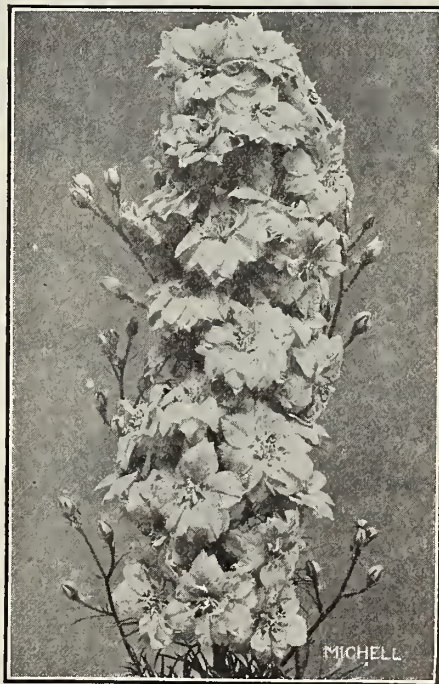
Chinense Azureum. Plants grow but 2 feet tall, branch freely, each branch terminating with a loose spray of single flowers; color, a deep clear blue.

Chinense Album. Same as above in white.

Kelway's Mixed. No finer strain has ever been produced; the plants we offer are a re-selection from a choice collection.

Elatum (Bee Larkspur). Light blue.

Amos Perry. Semi-double, rich mauve, suffused light blue, with a dark eye. 35c. each, doz. \$3.50.



Delphinium (See above)

Price of all perennials on this page, except where noted, 15c. each. Dozen \$1.50. \$10.00 per 100.

*Digitalis***DIGITALIS** (Foxglove)

These showy plants are but biennials, but can be made perennial by the following treatment: Immediately after blooming, remove the flower stalk right down to the ground, also crop some of the large leaves; the result, a number of new plants start from the old crown, which produce splendid flowers the second year. *Digitalis* will do well in semi-shady spots; spikes grow from 4 to 6 feet high; flower in June.

Gloxiniaeflora White.

" Pink.

" Blue.

" Yellow.

DICTAMNUS (Gas Plant)

An attractive plant, growing 2 feet high; the foliage is fragrant; flowers rather oddly shaped, appearing in June and July.

Fraxinella. Rosy pink, dark veins.

" Alba. Pure white.

DORONICUM

Excelsum. An effective early spring flowering perennial, growing 2 feet high, with huge bright yellow, daisy-like flowers; fine for cutting.

*Dielytra***DIELYTRA** (Bleeding Heart)

Spectabilis. A bushy plant with many individual stems lined with pink heart-shaped flowers drooping downward. A most decorative plant, suitable as specimen or in combination in borders; July.

DIANTHUS (Garden Pink)

Fine for cutting, producing a mass of flowers in July and August.

Deltoides (*Maiden Pink*). Dwarf, trailing habit, pink flowers.

Mixed Colors. White, red and pink.

Latifolius Atroc. Fl. Pl. The everblooming double "Sweet William Pink," a flower which resembles a Sweet William, but the individual bloom is much larger and the clusters smaller, flowering the entire season; color, a deep blood crimson.

DUTCHMAN'S PIPE (See p. 144)**ERYNGIUM** (Sea Holly)

Effective in either wild gardens or shrubbery borders, growing two to three feet high, flowering July till September. Useful as a dry winter bouquet.

Planum. Light steel gray.

*Funkia***FUNKIA** (Day Lily or Plantain)

The broad massive foliage makes them attractive border plants, even though they are not in bloom. They are used invariably as edging plants for entire gardens, also as specimens in lawns, flowering generally in August.

Coerulea. Blue flowers, broad green leaves.

Subcordata Grandiflora. Pure white lily-shaped fragrant flowers; foliage broad and green.

Undulata Media Picta. Green and white variegated foliage, purple flowers, fine for edging.

HARDY FERNS

For planting in shaded locations.

Adiantum Pedatum (*Maiden Hair*). 8 to 12 inches high.

Dicksonia Punctilobula (*Gossamer Fern*). 24 to 36 inches high.

Dryopteris Acrostichoides.

Spinulosa.

Osmunda Regalis (*Royal Fern*). 24 to 48 inches.

Price of Hardy Ferns, 20c. each, doz. \$2.00, \$15.00 per 100.

*Gaillardia***GAILLARDIA GRANDIFLORA**
(Blanket Flower)

Hardy plants, growing about 2 feet high and flowering from June until frost. The large daisy-like blooms are of gorgeous coloring, a combination of gold and red.

ORNAMENTAL GRASSES

Gorgeous effects can be had with large plantings of these. In the vicinity of ponds, brooks and on lawns they are ideal.

Erianthus Ravennae (*Plume Grass*).

Grows from 10 to 12 feet high, frequently throwing up from 30 to 50 flowers, resembling ostrich feathers.

Eulalia Gracillima Univittata (*Japan Rush*). Foliage of bright green color with silvery midrib; 4 to 6 feet.

Japonica Variegata. Striped green, white and often pink and yellow; 4 to 6 feet.

Zebrina (*Zebra Grass*). The long blades are marked with broad yellow bands; most attractive for the lawn.

Gynerium Argenteum (*Pampas Grass*). The silvery plumes are produced on stems 8 to 10 feet high.

Phalaris Arundinacea Variegata (*Variegated Ribbon Grass*). 15c. each, doz. \$1.50.

Price of Grasses (except where noted), 25c. each, doz. \$2.50, \$15.00 per 100.

*Hardy Ornamental Grass*

All Perennials on this page, except where noted, 15c each; dozen \$1.50; \$10.00 per 100

PLANTS TRAVEL BEST BY EXPRESS. NO PLANTS SENT C. O. D.



GYPSOPHILA (Baby's Breath)

A very useful plant, growing about 2½ feet tall with innumerable fine branches crowned with miniature white flowers; July. *Paniculata*. Single, white.

" *Flore Plena*. A double form, new. 25c. each, doz. \$2.50.



Helonium

HELENIUM (Sneezewort)

Desirable perennials with broad spreading heads of flowers.

Autumnale Supertum. Golden yellow; blooming in September; 4 feet.

Grandicephalum Striatum. Deep orange striped crimson flowers; September; 4 ft.



Hemerocallis

All Perennials on this page, except where noted, 15c each; dozen \$1.50; \$10.00 per 100.

HELIANTHUS (Sunflower)

All varieties we offer are effective garden plants.

Multiflorus, Fl. Pl. (*Double Hardy Sunflower*). Large double dahlia-like golden yellow flowers on long stems; July; 4 feet.

Rigidus. Single, golden yellow; July; 3 feet.

Wolley Dod. Yellow; September; 5 feet.

Miss Mellish. Large single, golden yellow, blooms in September and October; 6 feet.

HELIOPSIS (Orange Sunflower)

Pitcheriana. Very similar to a small sunflower, but flowering earlier; deep golden yellow; all summer.

HELLEBORUS (Christmas Rose)

Blooms sometimes when the snow is yet on the ground and invariably before anything else is in flower. It does best in a sheltered position, where the cutting winter winds do not whip it.

Niger. Pure white. 35c. each, doz. \$3.50.



Hibiscus (See next column)

HEMEROCALLIS (Yellow Day Lily)

Lily-like plant, which flowers in greatest profusion during July.

Flava. Light yellow flowers; 3 feet.

Aurantiaca Major. Large, orange flowers. 25c. each, doz. \$2.50.

Fulva. Trumpet-shaped flowers, orange colored, shaded darker, blooms in June and July; 4 to 5 feet.

Kwanso Flore Pleno (*Double*). Coppery red.

Dumortieri. Very dwarf, flowering in June, which is earlier than most other sorts of the better class. Rich yellow flowers, bronze shaded on the back of petals. 20c. each, doz. \$2.00.

Dr. Regal. One of the finest of the late flowering sorts, producing beautiful rich apricot-colored flowers; 2½ feet. 25c. each, doz. \$2.50.

HEUCHERA (Alum Root)

Desirable dwarf plant of easy culture. Foliage remains close to the ground. During July and August the graceful thin flower-spike, 2 feet high, appear in profusion.

Sanguinea. Loose heads of bright scarlet flowers.

HIBISCUS (Mallow)

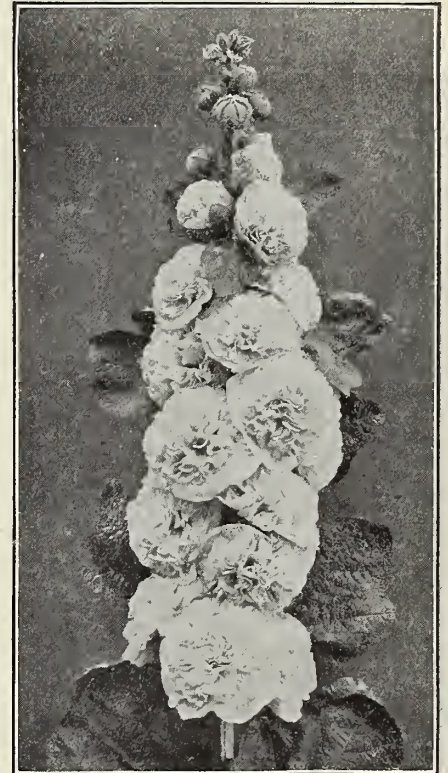
These are a mass of bloom during the summer, when they produce large flowers in gorgeous colors.

Meehani (*Meehan's Marvel Mallow*). A fast growing plant, attaining a height of 5 feet and flowering continuously from July till frost; all colors mixed. Large clumps, 25c. each, doz. \$2.50, \$15.00 per 100.

Moscheutos Roseus (*Marsh Mallow*). Large bell-shaped flowers of delicate pink.

Crimson Eye. Immense flowers of purest white with deep crimson eye; July; 4 feet.

Golden Bowl. Single, light yellow. 25c. each, doz. \$2.50.



Hollyhocks

HOLLYHOCKS

In long rows or massed in clumps in lawns they are immensely showy. The plants thrive best in soil that is not too wet; which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter, with leaves, long manure or straw. A fungus or rust sometimes attacks hollyhocks and to guard against this we recommend spraying the plant in early spring with Pyrox, Bordeaux Mixture or some other suitable fungicide, all of which we can supply.

Double Crimson, *Double Salmon Pink*, *Double Canary Yellow*, *Double White*, *Double Pink*, *Double Maroon*.

Separate colors, Hollyhocks as above, 20c. each, doz. \$2.00, \$15.00 per 100.

Double Mixed, *Single Mixed*, *Alleghany Fringed Mixed*. 20c. each, doz. \$2.00.

**LIATRIS (Blazing Star)**

Pycnostachia. The striking tall flower-spike makes a beautiful effect among shrubbery, or if planted in a border by itself; commences to flower in August, continuing till frost; light rosy purple.

LUPINUS (Lupins)

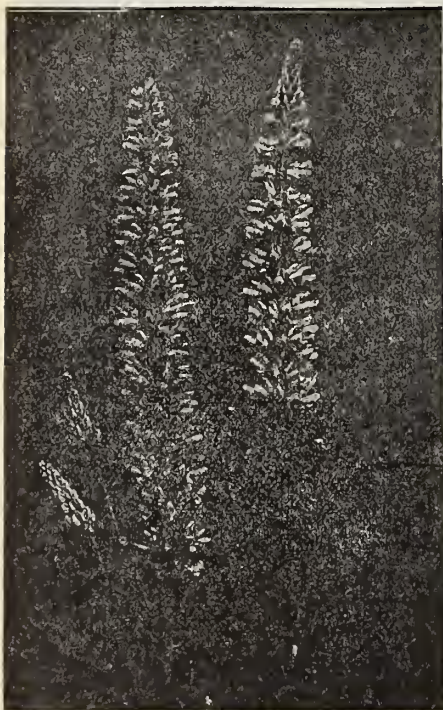
These are an exceptionally valuable plant, doing well in shaded and sunny location. They appear best when planted in clumps, when the graceful foliage is towered with spikes of brilliant flowers. The plants are 3 feet high, flower generally in May, continuing for a month. They are disease-immune and exceptionally hardy.

Polyphyllus Blue.

White.

Moerheimi. Pink.

Price of all Lupinus 25c. each, doz. \$2.50, \$18.00 per 100.



Lupinus (See Above)

LYCHNIS (Campion)

Of easy culture, they soon develop to large bushy plants, all of them showy when in bloom.

Chalcedonica. Heads of brilliant orange scarlet; 2 feet; all summer.

Dioscea Rosea. Very dwarf, 6 inches, double pink.

Haageana Hybrida. Brilliant shades of orange and scarlet, blooming in May and June; height, 12 inches.

Semperflorens, Pl. (Cuckoo Flower). 12 in., soft pink flowers, blooms all summer.

Viscaria (Ragged Robin, London Pride). Double red flowers on stalks 15 inches high, very showy; June.

FAIRMONT, W. VA.

Your shipment of perennials arrived yesterday, they certainly were a husky lot of plants and we were well pleased.

ALEX. MACELWEE.

Supt. to Hon. C. W. Watson.

LYTHRUM (Rose Loosetrife)

Roseum Superbum. Strong growing plant, 3 to 4 feet high, producing large spikes of rose-colored flowers from July to September.



Lily of the Valley

LILY OF THE VALLEY

This charming plant is one of the best of our spring flowers, which appears in May. There is no other bloom which has the fragrance to equal it. Plantings increase in size and beauty each year naturally without any attention. We also recommend, in order to get the greatest quantity and largest blooms, to cover the beds late in autumn with a liberal coating of well-rotted manure, which can be removed about April 1st. Lily of the Valley thrives best in the shade and should be planted before May 15th or after October 15th. Large clumps (not mailable), 25c. each, doz. \$2.50, \$18.00 per 100.

MONARDA (Bergamot)

Didyma. In July and August this plant is covered with long flower-stems crowned with dazzling scarlet heads. It is one of those kinds that meet with favor everywhere. The foliage has an exclusive pleasing odor. It grows 2 to 3 feet high and makes a handsome show.

MONTBRETIA

Resembles somewhat the gladiolus, but in a miniature form. The flower-spikes are very brilliant and produced in quantity. The bulbs should be slightly protected during the winter; height, 2 feet. They should be planted in clumps of 50 or 100 bulbs.

Crocasmiaeflora. Scarlet and yellow.

Aurantiaca. Deep golden yellow.

Etoile de Feu. Vermilion, yellow centre.

Pottsii. Large, orange scarlet.

Speciosa. Golden yellow.

Rayon d'Or. Light yellow, spotted brown.

Any of the above 3c. each, doz. 30c., \$2.25 per 100.

MYOSOTIS (Forget-Me-Not)

In the early spring we can furnish strong plants of these, which make delightful effects, massed or in beds or borders; splendid for cutting.

Dissitiflora. Deep green foliage, dark blue flowers, which appear almost the entire summer. 10c. each, doz. \$1.00, \$6.00 per 100. (See also other Myosotis, page 123.)

OENOTHERA (Evening Primrose)

In open sunny positions they are extremely effective; flowering continuously all summer.

Missouriensis. Large golden yellow; 1 foot.

PAEONIES (See pages 132-133)**PENTSTEMON (Beard Tongue)**

Showy perennials resembling Snapdragons in appearance.

Digitalis. Pure white spikes, 3 feet high; June and July.

Barbata Torreyi. Spikes of brilliant scarlet flowers; height, 3 to 4 feet; June to August.

PHLOX (See page 141-144)**PHYSOSTEGIA (False Dragon Head)**

One of the most beautiful of our mid-summer perennials, forming dense bushes 3 to 4 feet high, having spikes of delicate tubular flowers similar to heather.

Virginica. Bright soft pink.

Alba. Pure white.

PLUMBAGO (Leadwort)

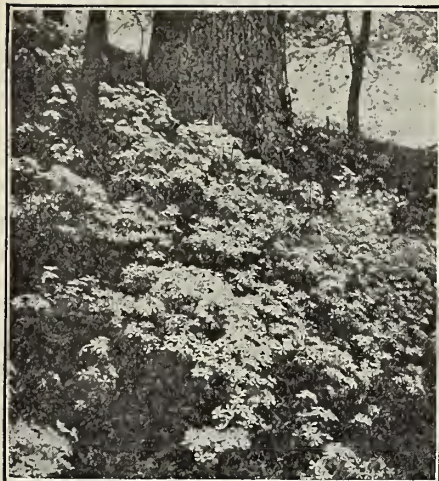
Larpentae. This dwarf plant, which is from 4 to 6 inches high, during the summer and autumn is covered with a mass of deep blue flowers; valuable for rockeries or edgings in perennial gardens.



Montbretia (See Opposite Column)

Price of Perennials on this page (except where noted) 15c. each; dozen \$1.50; \$10.00 per 100

PLANTS TRAVEL BEST BY EXPRESS OR FREIGHT. NO PLANTS SENT C. O. D.



Phlox Divaricata

PHLOX (*Divaricata Canadensis*)

A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May; nothing that flowers at the same season of the year can compare with it for beauty. (For other Phlox see page 124.)

PLATYCODON (Bell Flower)

These resemble Canterbury Bells and commence flowering in July and continue uninterruptedly till late autumn, a charming border plant. While considered perfectly hardy, we recommend that some litter or long manure be placed on the plants over winter.

Grandiflorum Blue.

" **Album.** White.
" **Mixed colors.**

POLYANTHUS

(*Primula Veris Elatior*)

These bloom as soon as the snow is off the ground, of delicate rich appearance in a wide range of colors, yellow and reddish brown predominating; splendid for cutting. **Mixed colors.**

ICELAND POPPIES

(*Papaver Nudicaule*)

Dwarf early spring-flowering plants. The bright cheerful colors are very attractive when used as an edging to a border. **Yellow and yellow separate.**
Mixed. All colors.

ORIENTAL POPPIES

The brilliancy of these is rather difficult to portray on paper. The rich dazzling colors seem to loom up over every other flower. They are at their best in July and August and a bed or border of them is a sight not easily forgotten.

Mrs. Perry. Soft salmon pink. 25c. each. doz. \$2.50.

Orientele. Rich orange scarlet.

PYRETHRUM

The splendid plants bloom all summer and are at their best in June, later flowers are increased if the withered stems are removed from the plant.

Hybridum, Single. Single flowers as above.

Uliginosum (Giant White Daisy). Large flowers appear on tall bushy plants late in September.

RUDBECKIA

Golden Glow. The most popular of all perennials, strong, a robust grower, it throws up sprays 6 and 7 feet tall, with cluster of large double yellow, aster-like flowers in August. Increases very rapidly; extra strong clumps.

Purpurea. Flowers about 4 inches across, of a peculiar reddish purple, with a large cone-shaped centre, appear during July, August and September; plants bushy, 3 feet high. It is an interesting fact that the same flower will remain in perfect condition on the plant for at least 4 weeks. There is no other perennial that possesses this characteristic. It looks especially fine among shrubbery and is a good cut flower.

Newmani. In shape somewhat like Purpurea, although the flower is not as large, grows three feet high, producing, in season with the latter, deep yellow flowers with a purple cone.

PUERARIA (See Page 144)

SALVIA

Azurea. This variety is a grand one, and it is a pity that it is not cultivated more extensively. Its beautiful light blue flower spikes are produced in great masses in August and September; exceedingly hardy; height, 2½ feet.



Iceland Poppies



Scabiosa Caucasica

SCABIOSA

The hardy type of these are even more beautiful than the annual sort known as "Mourning Bride." Large flowers, frequently 3 inches in diameter; they last a long while as cut flowers. The plant likes a sunny position, and is a perennial that ought to be in every garden; blooms from June until well in autumn; height, 15 inches.

Caucasica Blue. Delicate lavender.
" **Alba.** Pure white.

SEDUM (Stonecrop)

Acre. The foliage of this is a distinct attraction in itself, being of a yellowish green shade; for covering rockeries, in borders or beds on cemetery lots it is indispensable. The flower, which appears in July, is bright yellow and lasts on the plant a long while; height, 6 inches.

Album. Green foliage, white flowers; height, 6 inches.

Spectabilis. This variety grows about 18 inches and flowers in June, foliage light green, immense heads of pink flowers.

Sieboldii. Roundish foliage, with a blue cast, the flowers, which appear in August and September, are bright pink.

SOLIDAGO (Golden Rod)

Although generally classed as a wild flower, this is a most excellent plant when cultivated. It lends color to the garden during late summer and autumn.

Canadensis. Golden yellow, 3 feet.

To popularize Hardy Perennials, we offer collections as stated below. These are taken from varieties of our selection, and will give pleasing results.

Collection No. 1—12 plants, 12 vars.	\$1.00
" " 2—25 " 25 "	2.50
" " 3—100 " 25 "	9.00

In ordering, mention special offer on page 141. These collections can be sent by express only, at purchaser's expense.

Price of any perennials on this page, except where noted, 15c. each. Dozen \$1.50. \$10.00 per 100.

PLANTS TRAVEL BEST BY EXPRESS OR FREIGHT. NO PLANTS SENT C. O. D.

*Shasta Daisy***SHASTA DAISY**

The glistening white flowers, often 5 inches in diameter, with an attractive yellow centre, begin to appear the latter part of July and last almost till snowtime. The flower stems are long and rigid, for cutting there are few perennials that approach it as regards keeping qualities.

Alaska. Pure white, yellow centre. 25c. each, doz. \$2.50.

STATICE (Sea Lavender)

This may be classed among the everlasting flowers, as it is principally grown for dried winter bouquets. The foliage is heavy out of which rises large panicles made up of tiny florets, which produce a fine effect. Blooms usually from June till October.

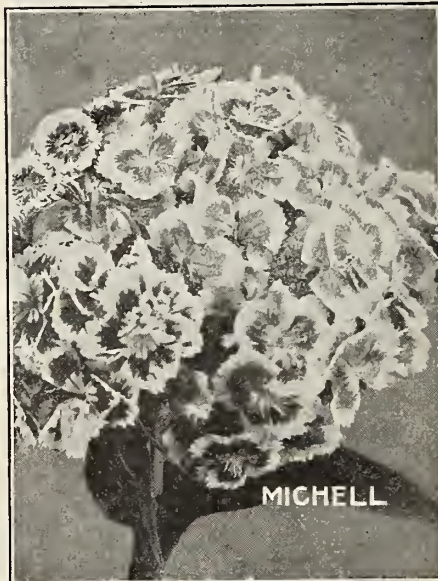
Latifolia. Gigantic heads of dark blue flowers.

*Statice* (See top next column)**STOKESIA (Corn Flower Aster)**

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Frequently flowers are 4 inches in diameter; highly recommended for cutting, succeeds in most any location.

Cyanea. Very light blue.

" Alba. Pure white.



MICHELL

*Sweet William***SWEET WILLIAM (Dianthus Barbatus)**

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect, for just when they are in flower, it is generally too soon for other perennials; for wild garden effect, Sweet Williams rank in first place.

Michell's Prize Mixture. All colors.

Pink Beauty (sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty.

Pure White, Crimson, Red with White Eye, Maroon. Each color separate.

THALICTRUM (Meadow Rue)

A popular hardy border plant with fine cut foliage, blooms during July and August. **Aquilegifolium Atropurpureum.** Produces heavy masses of light purple flowers on stems 3 feet high.

TRILLIUM (Wood Lily)

Excellent for shaded positions, flowering very early in spring. It looks best when planted promiscuously among hardy plants. **Erectum.** Purple.

Grandiflorum. White. 10c. each, doz. \$1.00, \$6.00 per 100.

TRITOMA

(**Flame Flower, Torch Lily or Red Hot Poker Plant**)

In midsummer and autumn when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses make a handsome effect. The roots are considered hardy. Though we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sort mentioned below seems to be demanded most and fill every need.

Pfitzeri. Blooms from August till October; rich orange scarlet.

TROLLIUS (Globe Flower or Buttercups)

An early flowering plant, lasting in bloom till August. It prefers a shaded location; while hardy, we recommend a slight protection to the plant in winter; height, 12 inches.

Europaeus. Bright yellow.



MICHELL

Tritoma (See above)

All Perennials on this page except where noted 15 cents each; doz. \$1.50; \$10.00 per hundred

PLANTS TRAVEL BEST BY EXPRESS OR FREIGHT. NO PLANTS SENT C. O. D.



VERONICA (Speedwell)

Flowers from July and lasts well into August. These plants are heavy feeders and if given a little extra fertilizer (either Sheep Manure or Bone Meal), will reward you with an extra production of fine flowers. While classed strictly as a perennial, we recommend that it be afforded protection in the winter.

Longifolia Subsessilis. Height, 3 feet; flowers light blue.

Amethystina. Dwarf plants, 12 inches, with light blue flowers.

Virginica Alba. 18 inches high, white.

Incana. Silver foliage; amethyst blue.



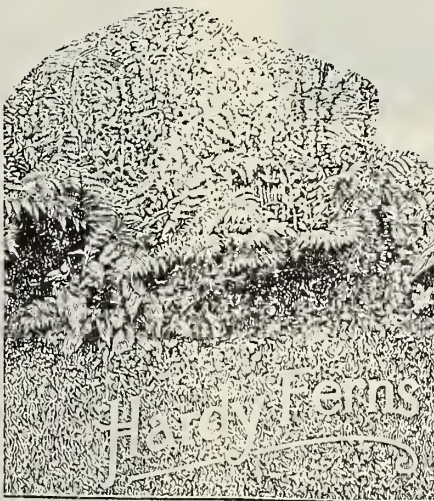
Viola Cornuta

VIOLA CORNUTA G. WERMIG

In crossing the Tufted Pansy with a sweet-scented Violet we have here a most wonderful new flower, resembling in form, shape, color and length of stem a well-known Florist's Violet, Princess of Wales, but the foliage is that of the Pansy. The most remarkable feature of this novelty is its freeness of Bloom, as a bed of these is a sea of blue from beginning of May until frost time. 25c. each, doz. \$2.50.

VIOLA (Tufted Pansies)

A so-called everblooming pansy. They are in ways better than pansies, as they start to flower in April and are a blaze of color till killing frosts. While not as large as pansies, the flowers are so free that they are planted extensively in preference to the latter. If possible they should be put in a shaded location where they flower most freely. **Blue and Purple, White and Yellow** varieties separate. 10c. each, doz. \$1.00, \$6.00 per 100.



See List of Hardy Ferns Opposite

YUCCA (Adam's Needle)

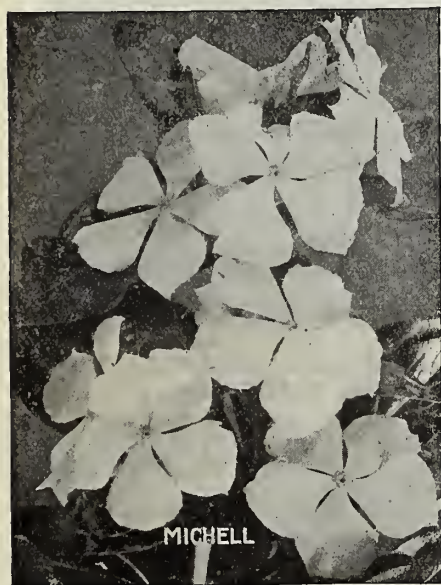
This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream white bell-shaped drooping flowers in July and August. Truly a majestic plant, and especially fine for producing tropical effects.

Filamentosa. White, with reflexed flower bells.

Gloriosa. White, with incurved flower bells. 25c. each, doz. \$2.50, \$15.00 per 100.



Yucca (See Above)



Vinca Minor

VINCA (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots where it is desired to cover the ground and no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage retains its color all winter.

Minor. Green foliage, lavender flowers.

Aurea (New). Identical in habit and value with the **Minor** type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes when mixed in plantings of the **Minor** variety. 25c. each, doz. \$2.50.

All Perennials on This Page, (Except where noted), 15c. Each. Dozen, \$1.50. \$10.00 per 100.

HARDY FERNS

These do finely in shaded places where blooming plants do not generally thrive, around tree trunks, which it is desired to embellish; along banks of streams, in woodlands, there is nothing you can plant that will equal them. From early spring till the snow buries them are they a mass of green color. Just the thing to plant along porch bases.

Adiantum Pedatum (Maiden Hair). 8 to 12 inches high.

Dicksonia Punctilobula (Gossamer Fern). 24 to 36 inches high.

Dryopteris Acrostichoides.
" **Spinulosa.**

Osmunda Regalis (Royal Fern). 24 to 48 inches.

Price of Ferns, strong plants, 20c. each, doz. \$2.00, \$15.00 per 100.

PLANTS TRAVEL BEST BY EXPRESS OR FREIGHT. NO PLANTS SENT C. O. D.



MICHELL'S CLIMBING PLANTS AND VINES

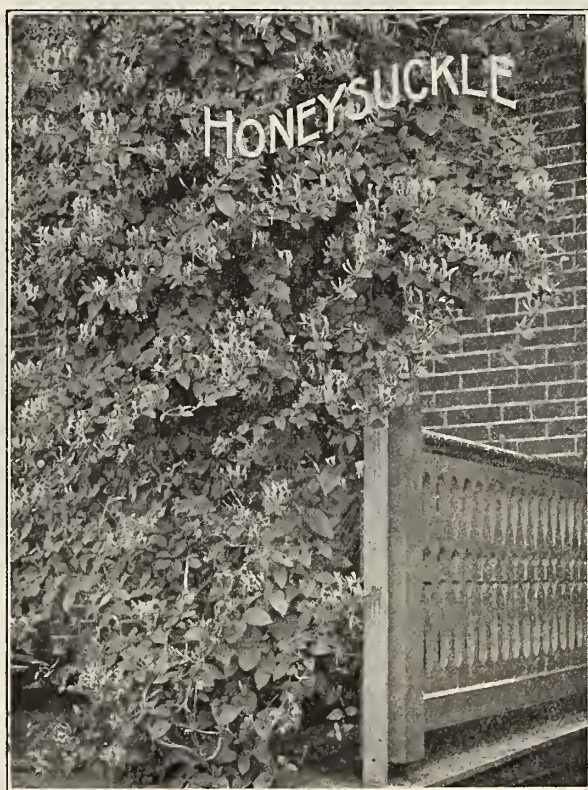
AKEBIA QUINATA (Hardy)

Quick-growing vine; small, fine-lobed, half-evergreen leaves and fragrant, purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. *Extra strong plants*, 25c. each; per doz. \$2.50, \$15.00 per 100.

AMPELOPSIS (Hardy)

Quinquefolia (*Virginia Creeper*). The large, handsome, dark-green leaves are deeply cut into five lobes, hence the name "Five Finger" is often given to it. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. *Extra strong plants*, 25c. each; per doz. \$2.50, \$15.00 per 100.

Veitchii (*Boston Ivy*). Our popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. *Strong plants*, 25c. each; per doz. \$2.50, \$15.00 per 100.



ARISTOLOCHIA SIPHO (Dutchman's Pipe) Hardy

Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. The vine retains its color throughout the entire summer. Large plants, 50c. each, per doz. \$5.00.

BIGNONIA (Trumpet Vine) Hardy

These are strong-growing vines, with rich green foliage and large trumpet-shaped flowers.

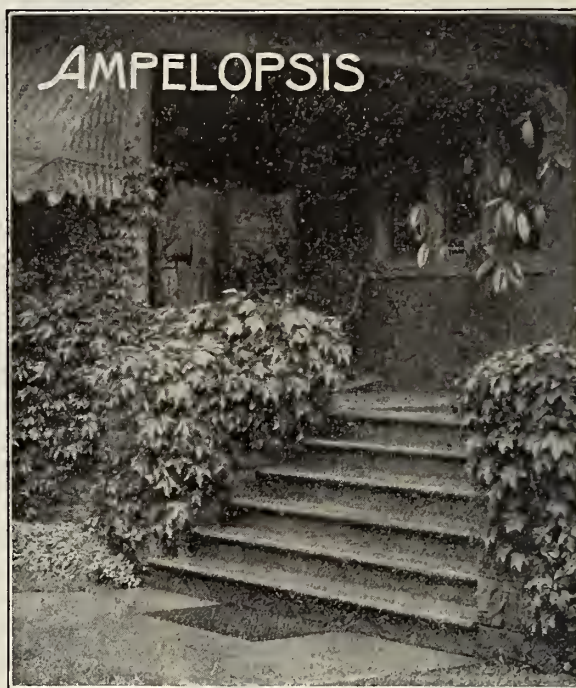
Grandiflora. Large flowering, bright orange-red. *Extra strong plants* 50c. each, per doz. \$5.00.

Radicans. Dark red, free-flowering, throat shaded orange. 25c. each, doz. \$2.50.

Hunterii. (New.) A very vigorous grower, bearing dark orange-colored flowers. 50c. each, doz. \$5.00.

COBEA SCANDENS (Annual)

A beautiful blue, cup-shaped flowering, annual climber, very desirable for lattice covering, etc. *Strong plants* 20c. each, per doz. \$2.25.



Ampelopsis Veitchii (See opposite column)

CINNAMON VINE (Hardy)

A very free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. *Extra strong roots* 10c. each, per doz. \$1.00, \$7.00 per 100. *Strong roots* 5c. each, per doz. 50c., \$3.00 per 100.

CLIMBING HYDRANGEA

(*Schizophragma Hydrangeoides*) Hardy

The flower-heads are much like the Hydrangea, blooming in July and August. It makes an elegant effect and is suitable for clinging to most any rough wall or surface; heavy, rank grower. White flowers. *Extra strong plants* \$1.00 each, doz. \$10.00.

ENGLISH IVY (Hardy)

This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 25c. each, per doz. \$2.50, \$15.00 per 100.

HONEYSUCKLE (Hardy)

Chinese Evergreen (*Woodbine*). Red, yellow and white variegated flowers; very fragrant; blooms the entire season.

Halliana (*Hall's Honeysuckle*). Flowers pure white, turning to yellow; fragrant, hardy evergreen; flowers from June until frost.

Heckrothi. Deep red flowers with yellow throat; in bloom continuously; a beautiful contrast to the ordinary sorts.

Variegated (*Aurea reticulata*). Foliage beautifully mottled yellow and green; flowers white and yellow.

Price any of the above strong plants 25c. each, per doz. \$2.50, \$18.00 per 100.

HOP VINE (Hardy)

Japanese. A rapid grower, with dark green foliage, and bears a profusion of seed-pods suitable for many domestic purposes. *Strong roots* 10c. each, per doz. \$1.00, \$6.00 per 100.

Golden Leaved. Identical in growth and habit as the above except for foliage, which is a bright yellow. The green variety planted with this yields an attractive combination. 15c. each, doz. \$1.50, \$10.00 per 100.

KUDZU VINE (Pueraria Thunbergiana)

Attains, after once being established, a height of fifty feet in one season. Its foliage furnishes dense shade; it bears small racemes of rosy-purple, pea-shaped blossoms towards the close of August. 25c. each, per doz. \$2.50, \$15.00 per 100.

PLANTS IN GENERAL CAN BEST BE SENT BY EXPRESS WITH SAFETY

MICHELL'S CLIMBING PLANTS, AND VINES

CLEMATIS (Hardy)

This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant, which is especially noticeable in the evening. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. In planting, care should always be exercised to see that the crown, from which the vine starts, is set down 2 to 3 inches below the surface, to prevent being broken off. A slight covering, in winter, of good manure over the roots of the plants is a wise precaution. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather. Our list of large flowering sorts is limited to the best varieties, which bloom generally in June.

LARGE FLOWERING CLEMATIS

Duchess of Edinburgh. Pure white. Double flowering.

Henryi. Pure white. Single.

Jackmanni. Royal rich purple. Single.

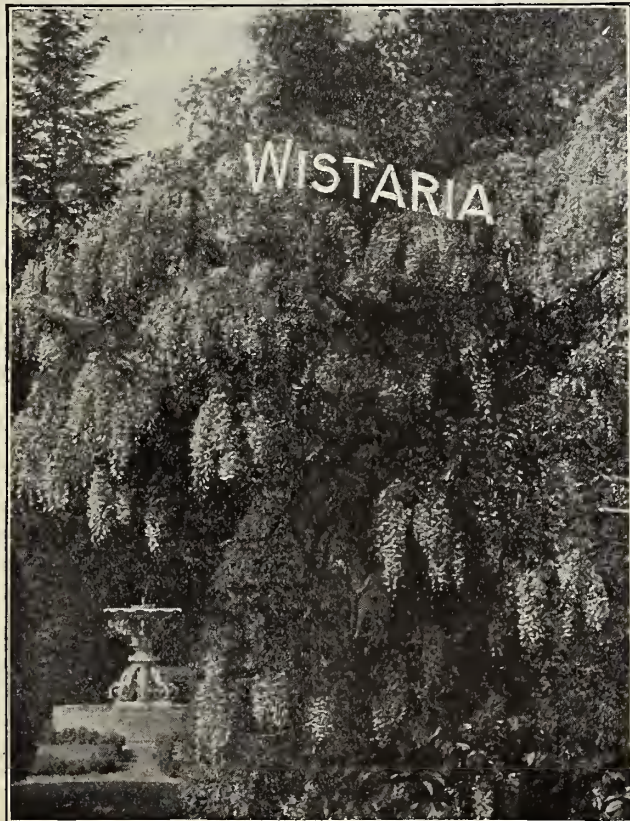
Montana Rubens (New). Medium-sized flowers, a soft shade of rosy red, looks excellent when massed among Clematis *Paniculata*. Though it dies down in the winter, the roots should be protected to ensure its remaining alive in the latitude of Philadelphia. **STRONG PLANTS, 75c.**

Ville de Lyons. Brilliant carmine, almost red and decidedly the best of its color.

Price of any of the above, extra strong pot-grown plants, 50c. each; per doz., \$5.00.

NEW CLEMATIS TANGUTICUS

This variety originated in China and is probably one of the most rapid growing of the Clematis type. The foliage is dense, bright green, making it an extremely valuable sort for shade. The bright yellow flowers are borne individually, blooming from August to October. They are a feathery mass of substance and look very odd indeed. We consider this one of the latest acquisitions and recommend that every Clematis lover should plant it. Splendid for rockery gardens. Strong plants, 75c. each; per doz., \$7.50.



SMALL FLOWERING CLEMATIS

These flower profusely, and are in demand for covering porches, trellises and arbors, and to climb over posts and fences. **Paniculata (Japanese Virgin's Bower).** A strong, luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. *Extra strong plants* 25c. each, per doz. \$2.50, \$15.00 per 100. *Three year old extra strong plants* 50c. each, per doz. \$5.00, \$35.00 per 100.

Flammula (Fragrant Virgin's Bower). White flowers, a trifle smaller than the above; very fragrant, blooms June and July. *Extra strong plants*, 50c. each, per doz. \$5.00, \$35.00 per 100.

Coccinea. Bright red, bell-shaped, small flowers, which begin to appear in June and last until frost. 25c. each, \$2.50 per doz.

Crispa. This variety bears sweet-scented, lavender flowers, white in the centre. It flowers early and continues until frost. Makes an excellent combination of color, when planted with the Flammula and Coccinea varieties. 25c. each, \$2.50 per doz.

LATHYRUS (Hardy Sweet Pea)

This makes an elegant show, planted against trellis, lattice or individual posts. It is one of the very few vines which produces flowers adapted for cutting. While not fragrant, they last in water a long while. Very showy.

Latifolius Pink Beauty. Brilliant rose.

Albus. Pure white.

Extra strong plants of the above, 25c. each, per doz. \$2.50.

MADEIRA OR MEXICAN VINE (Hardy)

The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots 5c. each, per doz. 40c., \$3.00 per 100.

These very rapid growing vines should be planted wherever a dense quick shade is desired.

MOON VINES (Annuals except where noted)

Noctiflora. A pure white variety blooming in the evening, the flowers are very large, not hardy. Large plants 20c. each, per doz. \$2.25, \$17.00 per 100.

Learii (Blue Dawn Flower). Enormous bloomer of intense violet shade, frequently 6 or more inches in diameter, producing at times as many as 30 flowers on a stalk. Strong roots 15c. each, per doz. \$1.50.

Paniculata or Mexicana. Beautiful rose-pink flowers, large in size. Strong roots 25c. each, per doz. \$2.50.

Pandurata (Hardy). The quickest growing of all Moonvines, climbing 50 feet in a season, producing a dense shade. The flower is medium sized, creamy white with a pinkish tint in the throat. Extra strong roots 15c. each, per doz. \$1.50.

SCHIZOPHRAGMA HYDRANGEOIDES (Climbing Hydrangea)

This bears large panicles or trusses of flowers, which resemble a white Hydrangea. It clings readily to any rough surface or wall, flowering freely during July and August. Strong Plants, 75c. each.

PASSION VINES (Annual)

Very attractive flower and foliage. Not suitable for shading. The color of the flower runs in various shades of pink and blue. 15c. each, per doz. \$1.50.

WISTARIA (Hardy)

Chinensis (Chinese Wistaria). The common variety, which flowers so profusely in May. Flowers pale blue; fragrant; grows anywhere. Strong plants 50c. each, per doz. \$5.50. *Extra strong plants* \$1.00 each, per doz. \$11.00.

Chinensis Alba. A beautiful white-flowering form. Strong plants 50c. each, per doz. \$5.50.

We can also supply all other Vines not catalogued here.

SPECIAL VINE NAILS OR FASTENERS

These are illustrated on page 177. 1-in., per 100, \$1.00; 1½-in., per 100, \$1.25; 2-in., per 100, \$1.50.

Plants can be shipped via express or freight only. No Plants sent C. O. D.



HARDY DECORATIVE AND FLOWERING SHRUBS

AZALEA

Amoena. Dwarf bushy shrub; covered in spring with masses of purplish-red double flowers. 75c. each, per doz. \$7.50.

Anthony Koster. A type of the Mollis variety, with exceptionally large flowers, golden orange. \$1.00 each, per doz. \$10.00, \$72.50 per 100.

Mollis. Of dwarf bush-like habit, with light green leaves. The flowers are as large as the Azaleas, usually seen in green-houses. There are but two colors of it, yellow and red, and they bloom about the middle of May. When massed in a large bed they create a particularly beautiful spot. 75c. each, per doz. \$7.50.

BERBERIS (See Hedge Plants, Page 117)

BUDDLEYA

Variabilis Magnifica. Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. Strong plants, which will flower the first year, 50c. each, \$5.00 per doz.

CALYCANTHUS (Sweet Shrub)

Floridus. Chocolate-colored double flowers, with a peculiar, agreeable odor. Blooms in June. A common shrub in old gardens. 2 to 3 feet, 35c. each, per doz. \$3.50.

CYTISUS (Golden Chain)

Laburnum. A large shrub with shining green leaves and racemes of yellow flowers, which appear in early summer. 2 to 3 feet, 35c. each, per doz. \$3.50.

CLETHRA (Sweet Pepper Bush)

Alnifolia. Of low and dense growth; has numerous spikes of small white fragrant flowers in July. 1 to 2 feet, 35c. each, per doz. \$3.50.

DEUTZIA

Candidissima (Fl. pl). Abundant racemes of double flowers in June, luxuriant foliage and fine habit. 2 to 3 feet, 35c. each, per doz. \$3.50.

Crenata Fl. Pl. Flowers double white, tinged with rose. 2 to 3 feet, 25c. each, per doz. \$2.50; 3 to 4 feet, 35c. each, per doz. \$3.50.

Gracilis. Of dwarf, bushy habit. The racemes of white flowers in May completely cover the plant. 1 to 2 feet, 35c. each, per doz. \$3.50.

EXOCHORDA (Pearl Bush)

Grandiflora. A profuse bloomer in the early summer. Flowers star shaped, pure white. 2 to 3 feet, 25c. each, per doz. \$2.50; 3 to 4 feet, 35c. each, per doz. \$3.50.

ELEAGNUS (Japanese Oleaster)

Longipes. A desirable nearly evergreen shrub of medium height, with light foliage, which is silvered on the under surface. The orange-colored fruit is very attractive during late summer. Each 35c., \$3.50 doz.

FORSYTHIA (Golden Bell)

The yellow flowers are produced very early in spring before the leaves appear, making it very attractive. 2 to 3 feet, 35c. each, per doz. \$3.50; 3 to 4 feet, 50c. each, per doz. \$5.00.

EUONYMUS (Burning Bush)

Europeus. A conspicuous tall shrub, which in the autumn is loaded with scarlet seed-pods, from which orange-colored berries hang in slender threads. Each 35c., \$3.50 doz.

HYDRANGEA

Arborescens Grandiflora Alba (Snowball Hydrangea). The snow-white blooms are of the largest size. One of the most valuable characteristics is its coming into bloom from early June until late August, just after the passing of all the early spring shrubs. 50c. each, \$5.00 per doz.

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn. Strong plants, 35c. each, per doz. \$3.50. Extra strong stock, 75c. each, per doz. \$8.00.

HYDRANGEAS

For Seashore Planting and Elsewhere

We recommend that the varieties under this heading be protected, as winter approaches, with a heavy covering of manure, leaves or otherwise. The variety "Empress Eugenie," while classed as blue, will come at times pink; and the variety "Otaksa" vice-versa or blue. This, however, is only infrequent, and where one desires to be certain of blue flowers, this can be accomplished by incorporating in the soil at the time of planting a few handfuls of soot, or iron filings. If this is not obtainable, lump alum, broken into small pieces and worked into the soil at the rate of ½ pound to a bushel of soil is sufficient.

Otaksa. A beautiful pink Japanese variety, producing immense heads of flowers; very fine for bedding.

Empress Eugenie. Same form as above. Of a purplish-blue, very striking.

Price, either of the above 2 sorts, strong plants, 50c. each; per doz. \$5.00, \$35.00 per 100.

P. S.—We can also furnish specimen plants of the above in tubs for \$1.25, \$2.50 and \$5.00 each, according to size desired.

Avalanche. Large, pure white flowering variety, producing immense heads.

Souvenir de Mad. Chantard. A compact variety, with brilliant pink flower-heads.

Bouquet Rose. The flower-heads of this variety are extra large and uniformly shaped, of an amber hue, inclined towards pink.

Extra strong plants of the last three named varieties, 75c. each, or one of each for \$2.00.

HYPERICUM (St. John's Wort)

Densiflorum. Bearing in great profusion throughout the summer, golden yellow flowers. 2 to 3 feet, 35c. each, doz. \$3.75.

KALMIA (Mountain Laurel)

Latifolia. An evergreen of strong growth, rivaling the rhododendron in beauty. Flowers in June, a delicate pink, changing to white as they expand. Grows best in woodland or under trees. Strong plants, 18 to 24 inches, \$1.00 each; per doz. \$10.00, \$75.00 per 100.

KERRIA (Globe Flower or Corchorus)

Double-flowered. Of medium size; double yellow flowers. 35c. each, per doz. \$3.50.

Japanese. A slender, green-branched shrub, 5 or 6 feet high, with globular, yellow flowers from July to October. 35c. each, per doz. \$3.50.

LILAC (Syringa)

Persian. Purple. A profuse and early blooming sort, bearing light purple flowers. 3 to 4 feet.

White Persian. Same habit and form as the preceding, but white flowers. 2 to 3 feet.

Common. The purple species, and one of the best. Fragrant. 2 to 3 feet. 25c. each, per doz. \$2.50.

Charles X. Large reddish-purple, with heavy flower trusses.

Marie Le Graye. Single pure white, very fragrant.

Price of any of the above, except where noted, 50c. each, per doz. \$5.00.

We can also supply all other varieties of Lilacs.

PHILADELPHUS (Mock Orange or Orange Blossoms)

Coronarius. Handsome foliage and beautiful white flowers, quite fragrant. 3 to 4 feet. 35c. each; per doz. \$3.50.

RHODODENDRONS

They require good garden soil, which should be dug 30 to 36 inches deep and mixed with peat or leaf mould. It is advisable to protect with leaves or brush during winter to ensure plenty of bloom the following year. 18 to 24 inches, \$1.50 each, per doz. \$15.00.

Our list consists of named varieties. Always state color desired when ordering.

We can also furnish larger specimens.

We Can Also Supply All Other Varieties of Shrubs.

SHRUBS CAN ONLY BE SHIPPED BY EXPRESS OR FREIGHT. NO SHRUBS SENT C. O. D.



SPIREA

Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers the entire summer. 2 to 3 feet, 35c. each; per doz., \$3.75.

S. Van Houttei. This handsome species is the most desirable. Flowers pure white, in great abundance, exceedingly beautiful, a strong, robust grower. 3 to 4 feet, 50c. each; per doz., \$4.00.

Prunifolia (Bridal Wreath). The pretty double white flowers are all along the almost leafless stems about May 1st, just as the leaves are budding. 3 to 4 feet, 50c. each; per doz., \$4.00.

Opulifolia Aurea. Bears an abundance of fragrant white flowers in clusters during June; the leaves are golden in spring but darken as the season advances. 50c. each, doz. \$5.00.

Paniculata Rosea. A graceful shrub with waving branches decked in June with panicles of pink flowers. Each 50c., \$5.00 doz.

Reevesiana. Clusters of white florets, which bend the branches gracefully and cover them completely; flowers in May. Each 50c., \$5.00 doz.

PRUNUS

Pissardi (Purple-leaved Plum). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers. 50c. each, doz. \$5.00.

ROBINIA

Viscosa Rosea (Pink Laburnum). Grows in tree form, well branched and attains a height of 15 feet. The blooms which resemble wistarias are of a delightful pink color and appear in July when the tree is a real attraction. Strong plants, 6 feet. Each \$1.50, \$15.00 per doz.

SAMBUCUS

Aurea (Golden Elder). Attractive by its golden foliage and desirable to mix with other shrubs to relieve the sombreness of green. 50c. each, doz. \$5.00.

SYMPHORICARPUS

Racemosus (Snowberry). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter. 50c. each, doz. \$5.00.

SPECIAL COLLECTION OF FLOWERING SHRUBS

For those who are uncertain as to the proper selection of desirable shrubs we offer in our selection.

Collection No. 1. 6 flowering shrubs, 6 choice sorts, total \$1.75

Collection No. 2. 12 " " 12 " " " 3.25

VIBURNUM

Plicatum (Japanese Snowball). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. *Extra fine plants*, 50c. each, per doz. \$5.00.

Viburnum Opulus (High Bush Cranberry). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, each 50c., \$5.00 per doz.



WEIGELIA (See cut)

Candida. Flowers abundantly in June and July, additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. 50c. each, doz. \$5.00.

Eva Rathke. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts. 2 to 3 feet 35c. each, per doz. \$3.50.

Rosea. Fine rose-colored flowers, considered one of the finest of flowering shrubs. Blossoms in May. 3 to 4 feet, 35c. each; per doz., \$3.50.

Sessifolia syn. lutea. Of strong growth, with clusters of yellow flowers; very hardy. Desirable on account of its attractive foliage, which turns a reddish brown. 3 to 4 feet, 60c. each; per doz., \$5.00.

We can also supply all other varieties of Weigelias.

CHOICE ORCHIDS for Greenhouse Culture only

We have made arrangements with a specialist in this line on account of the many demands we had from our customers with greenhouses. We can supply all other sorts not listed below, and are pleased to quote on inquiry.

CYPRIPEDIUMS

	Price
Acteus (C. Insigne x Leeanum)	\$2.50
Alice (Spicerianum x Stoncii)	3.00
Alcides (Insigne x Hirsutissimum)	2.50
Baron Kuroki	3.00
Bellatulum	2.00
Boxallii	2.50
Brilliance	2.50
Calypso (Spicerianum x Boxalli)	2.50
Charlesianum	2.50
Clotho (Politum x Boxalli Atratum)	2.50
Concolor (Sp. Burmah)	2.50
Euryades (Leeanum x Boxalli)	2.50
Euryale (Lawrenceanum x Superbians)	3.00
Exul (Sp. Singapore)	2.50
Harrisianum (Villosum x Barbatum)	2.00
Hera	3.00
Insigne	2.50
J. Howes (Sallierii x Villosum Aureum)	2.50
Leonidas (Villosum x Leeanum)	4.00
Venustum	2.00

CATTLEYAS

	Price
Amethystina (Intermedia)	\$2.50
Gaskelliana	2.50
Bicolor x Gigas	2.50
Labiata x Alexandra	2.00
Granulosa x Gigas	2.00
Ophir	5.00
Caduceus	5.00
Schilleriana x Callistoglossa	4.00

LOELIO-CATTLEYA

L. Crispe x Trianae	\$2.00
C. Gigas x Elegans	5.00
L. Latona	4.00
L. C. Miss Williams	3.00
L. C. Myra	2.50
Elegans x Labiata	2.00
Bicolor x Callistoglossa	2.00
L. C. Nysa	3.00
L. C. Bella	5.00
L. Olivia	3.00

Shrubs can be shipped via express or freight only. No Plants sent C. O. D.



ORNAMENTAL and SHADE TREES

BIRCH (*Betula*)

Purple-leaved (*B. populifolia purpurea*). Foliage dark, resembling that of the purple beech. 4 to 5 feet, \$1.00; 6 to 8 feet, \$1.75.

CATALPA

Bignonioides nana Bungei. Forms a perfect umbrella head, with a mass of large heart-shaped leaves of a deep green color, which overlap each other. 5 to 6 feet 1-year heads, \$1.25; 5 to 6 feet 2-year heads, \$2.25; 6 to 8 feet specimens, \$6.00 to \$9.00 each.

DOGWOOD (*Cornus*)

Red-flowered (*Cornus florida rubra*). The flowers, which appear early in May before the leaves, are of a deep rosy-pink color; producing a perfect drift of bloom. Foliage dark green in summer and brilliant crimson in fall. 2 to 3 feet, \$1.25; 3 to 4 feet, \$1.75.

White-flowered (*C. florida alba*). Similar to the red flowering in habit of growth, though attaining larger proportions. 3 to 4 feet, 75c.; 4 to 5 feet, \$1.00; 5 to 6 feet, \$1.75.

HORSE CHESTNUT (*Aesculus*)

Hippocastanum. As an ornamental shade tree, the horse chestnut is highly recommended. The flowers are large, white, spotted with purple. 6 to 8 feet, \$1.25; 8 to 10 feet, \$1.75; 10 to 12 feet, \$2.50.

JUDAS TREE (*Cercis*)

Red Bud, or Judas Tree (*Cercis canadensis*). A profusion of delicate reddish-purple flowers with which it is covered before the foliage appears. 3 to 4 feet, 75c.; 4 to 6 feet, \$2.00.

LINDEN TREE

European (*Tilia europaea*). Forms a dense shade. One of the most ornamental of trees, growing in almost any soil, and adapted to lawn or avenue. 8 to 10 feet, \$1.50; 10 to 12 feet, \$1.75.

MAPLES

Silver Maple (*Acer dasycarpum*). Of rapid growth and spreading habit. 8 to 10 feet, \$1.00; 10 to 12 feet, \$1.25.

Japanese Maple (*A. Polymorphum atropurpureum*). The hardiest of the colored-leaved forms, and is more largely planted, the blood-red foliage making it a strikingly handsome and conspicuous tree. Trees are dwarf in habit, seldom attaining a height of more than three feet. Fine plants, 2 feet, \$1.50 each.

Norway Maple (*A. p'tanoides*). One of the finest park, street, shade or lawn trees; vigorous growth, with large, handsome, broad leaves of deep, rich green which remain on the trees until late in the season. 8 to 10 feet, \$1.25; 10 to 12 feet, \$1.75.

Sugar, or Rock Maple (*A. saccharum*). Resembling the Norway Maple, though more pyramidal in form. 8 to 10 feet, \$1.25; 10 to 12 feet, \$1.75; 12 to 14 feet, \$2.50.

Sycamore Maple (*A. pseudo-platanus*). Desirable for shade and ornamental purposes. 8 to 10 feet, \$1.25; 10 to 12 feet, \$1.75.

PLANE TREE

Oriental Plane, or Buttonwood (*Platanus orientalis*). A favorite tree for avenue planting, of large spreading habit and rapid growth. 8 to 10 feet, \$1.25; 10 to 12 feet, \$1.75; 12 to 14 feet, \$2.50.

POPLAR TREE

Lombardy (*P. nigra fastigiata var. italica*). Its tall form makes it indispensable in landscape effects or for screening objectionable views. 8 to 10 feet, \$1.00; 10 to 12 feet, \$1.25.

WILLOW TREE

Weeping (*Salix babylonica*). The long, pendulous branches are very graceful. Makes an admirable shade tree and grows well in wet or dry places. 8 to 10 feet, \$1.25 each.

EVERGREENS

ARBOR VITAE (*Thuya*)

American Arborvitae (*Thuya occidentalis*). Popular for ornamental hedges, rapid grower, conical form. 2 to 3 feet, 75c.; 3 to 4 feet, \$1.25; 5 to 6 feet, \$2.25.

Peabody's Arborvitae (*T. o. var. aurea*). A clear, shining golden yellow that contrasts finely with darker evergreens. Of pyramidal habit, grows rapidly. 1½ to 2 feet, \$1.75; 3 to 4 feet, \$3.50.

Compact Arborvitae (*T. o. compacta*). Light green foliage and neat attractive habit. For beds, borders, cemeteries, or house decoration; of dwarf growth. 12 to 18 inches. \$1.00 each.

JAPAN CYPRESS (*Retinospora*)

R. pisifera aurea. Growth very wavy; vigorous habit; foliage rich golden and permanent. 1 to 2 feet, \$1.25; 2 to 3 feet, \$2.25; 3 to 4 feet, \$3.00.

Plume-like Retinospora (*R. plumosa*). Light, feathery green foliage. Useful in groups, beds, vases, and window boxes. 12 to 18 inches, 85c.; 2 to 3 feet, \$1.75.

R. Plumosa aurea. The soft plume-like golden foliage is particularly bright in spring. It is well adapted for small lawns, and equally appropriate for larger areas. For window-boxes, vases, and formal gardening its value is realized. 12 to 18 inches, \$1.00; 2 to 3 feet, \$2.00; 3 to 4 feet, \$4.00; 4 to 5 feet, \$5.00.

FIRS (*Abies*)

Silver Fir of Colorado (*A. concolor*). Broad, handsome foliage, bluish above, silvery beneath. 1 to 2 feet, \$2.00; 2 to 3 feet, \$3.00; 3 to 4 feet, \$6.00.

Western Balsam Fir (*A. lasiocarpa*). The foliage varies in color from a glaucous-blue to a very light green. 2½ to 3 feet, \$3.50; 4 to 5 feet specimens, \$6.00.

PINES (*Pinus*)

White Pine (*P. Strobus*). The needles are soft and silvery green; makes fine backgrounds and shelter-belts, and is valuable in any planting. 1 to 2 feet, 60c.; 2 to 3 feet, \$1.25; 3 to 4 feet, \$1.75.

Austrian Pine (*Pinus austriaca*). A tall, massive tree, with spreading branches, heavily plumed with long, stiff, dark green needles. 2 to 3 feet, \$1.50; 3 to 4 feet, \$3.00; 5 to 6 feet, \$6.00.

SPRUCE (*Picea*)

Hemlock Spruce (*P. canadensis*). For tall screens or hedges, massing, or as individual trees upon large or small grounds. 12 to 18 inches, 50c.; 2 to 3 feet, \$1.25; 3 to 4 feet, \$2.50.


Douglas' Spruce (*P. Douglasi*). Large, conical form, smooth bark. Leaves light green above, bluish underneath. 1 to 2 feet, \$1.00; 2 to 3 feet, \$1.50; 4 to 5 feet, \$3.50.

Colorado Spruce (*P. Engelmanni*). Bluish green with horizontal branches and of compact growth. 1 foot, \$1.25; 2 feet, \$2.50; 3 feet, \$3.50.

Norway Spruce (*P. excelsa*). Highly valued for shelters, windbreaks or hedges. If left untrimmed they spread out magnificently over the lawn, and make desirable specimens. 2 to 2½ feet, 75c.; 2½ to 3 feet, \$1.00; 4 to 5 feet, \$2.50.

Koster's Blue Spruce (*P. Kosteriana*). A deep, rich blue. One of the finest ornamental evergreens ever introduced, and a specimen or two (of the kind of trees we furnish), on the lawn, adds a dignity and beauty hard to describe. 1 to 1½ feet, \$2.00; 1½ to 2 feet, \$3.00; 2 to 3 feet, \$6.00; 4 to 5 feet, \$12.00.

Oriental Spruce (*P. orientalis*). Dark, small, shining green foliage. Very hardy. One of the finest of all evergreens. 12 to 18 inches, \$1.25; 2 to 3 feet, \$2.25.

 We can also supply all other varieties of Trees and Evergreens.

Trees cannot be shipped by mail; express or freight only. No Trees sent C. O. D.

WATER LILIES, Etc.

These are well known and highly appreciated and as indispensable as hardy perennial and other decorative plants. They furnish a decorative effect as no other plants can. Associated with ornamental subtropical plants they lend a most pleasing and charming effect to the landscape. They are also valuable as cut flowers, especially the tender varieties, both day and night bloomers. The day bloomers furnish superb flowers on long stems in red, white and blue colors. The night blooming varieties possess a charm distinct from all others, the colors varying from pure white to pink with shades of red, carmine and crimson, which are very brilliant under artificial light. They are of simple culture, requiring a moderately rich soil, water and sunshine. The hardy varieties should be planted in May in this latitude, and on until the middle of August. The tender Water Lilies should be planted about the first of June, when warm, settled weather is assured. Keep the pond filled with water to supply loss by evaporation, but springs and running streams must be avoided, as they lower the temperature of the water to a dangerous degree. Varieties marked A are of moderate growth, medium to small sized flowers, suitable for tubs and fountain basins. Varieties marked B are of compact growth, suitable for artificial ponds, pools, etc. Varieties marked C are of a spreading nature, suitable for large ponds and lakes and for naturalizing.

Our stock is grown by one of the foremost aquatic specialists in America.

HARDY NYMPHAEAS

A N. Aurora. A unique variety, flowers soft rose-yellow on first day, changing to deep red on the third day; stamens orange; useful for growing in tubs. Each 75c., \$7.50 doz.

B N. Candidissima. A vigorous and desirable variety. Good-sized flowers, pure white. An early and free bloomer. 50c. each, \$5.00 per doz.

A N. Laydekeri Lilacea. Flowers 3 to 5 inches across, rosy-lilac, shaded bright carmine, with a tea rose fragrance. 75c.

A N. Laydekeri Purpurata. A free-blooming variety; flowers medium sized, rosy crimson, orange stamens. 75c. each.

B N. Marliacea Chromatella. A free and vigorous grower, flowers 4 to 6 inches across, bright canary yellow, stamens deep yellow, leaves deep green, beautifully blotched with brown. One of the best. 75c. each, \$7.50 per doz.

B N. Marliacea Rosea. Resembles N. M. Carnea in habit and growth; flowers large, deep rose color, young leaves, purplish red, changing to deep green. One of the very best pink hardy Water Lilies for cutting. \$1.00 each, per doz. \$10.00.

C N. Odorata. This is the fragrant Pond Lily of the north-eastern United States; flowers white, 3 to 5 inches in diameter, stamens yellow, leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds. 20c. each, \$2.00 per doz.

B N. Odorata Sulphurea. Flowers fragrant, 4 to 5 inches across; sulphur yellow, standing well above the water. A desirable variety. 50c. each, \$5.00 per doz.

C N. Tuberosa Maxima. Flowers medium size, cup shaped, pure white with strong fragrance. 20c. each, \$2.00 per doz.

C N. Tuberosa Rosea. Flowers of an exquisite shade of pink, 4 to 5 inches across, standing well out of the water. Desirable. 50c. each, \$5.00 per doz.

C N. Tuberosa Richardsoni. Flowers white, 6 to 8 inches across, forming with its numerous petals a perfect globe when fully open. A most beautiful fragrant white Lily. 50c. each, \$5.00 per doz.

B N. William Doogue. A magnificent Lily. Flowers cup-shaped, 5 to 6 inches across and fragrant; of a beautiful shell-pink color. A continuous bloomer. \$1.00 each, \$10.00 per doz.

TENDER WATER LILIES

Nymphaea Capensis. Cape Blue Water Lily; flowers rich sky-blue, 6 to 8 inches across; sepals green outside, whitish within, flushed blue. A very desirable species and useful for cutting. 75c. each, \$7.50 per doz. (Day blooming.)

N. O'Marana. Flowers of the largest size; petals of a reddish pink with nearly white stripes up the centre. A vigorous grower and a free-flowering variety. \$1.50 each. (Night blooming.)

N. Rubra. Flowers 6 to 8 inches across, of a deep purplish red. A free bloomer and desirable. 75c. each. (Night blooming.)

N. Zanzibariensis. A superb variety of the deepest purple. Flowers 6 to 8 inches across; very free-flowering, with strong fragrance. Very desirable. \$1.50 each. (Day blooming.)

N. Zanzibariensis Rosea. Flowers rose, of various shades; otherwise like the preceding. 75c. each. (Day blooming.)



Hardy Nymphaea

NELUMBIUMS

These are stately plants with bold massive peltate leaves on stout stalks 4 to 5 or more feet high and 2 to 3 feet across. The flowers are also large and magnificently grand in appearance. They are of easy culture; can be grown in a natural or artificial pond, boxes or tubs. They are perfectly hardy, provided the tubers are kept free from frost, but should not be transplanted before the beginning of May.

N. Album Grandiflorum. Flowers pure white, large and very beautiful and fragrant; very choice. \$2.50 each.

N. Luteum (American Lotus). Superb yellow flowers. Dormant tubers, \$1.00 each; pot-grown plants, \$2.00 each.

N. Speciosum (Egyptian Lotus). Exquisite flowers of a beautiful rose color; vigorous and free-flowering. \$1.50 each, pot plants \$2.50 each.

VICTORIA REGIA (Royal Water Lily)

Victoria Lilies require much space to develop their monstrous leaves, which are often 5 feet across, with upturned rims 5 to 7 inches. V. Regia requires a high temperature for development, otherwise the season may close without a flower being seen. V. Trickeri succeeds well under the ordinary treatment for tender Nymphaeas, but should not be planted out, or shipment made before warm, settled weather is assured, usually about June.

Victoria Regia. The well-known species. \$7.50 and \$10.00 each.

Victoria Trickeri. This species is of vigorous and rapid growth and produces its marvelous flowers at an early stage. A single plant often has from 10 to 15 well-developed leaves and frequently two flowers open at the same time. The flowers are white when first open, changing to deep rose the second day and have a strong fragrance not unlike a ripe Pineapple. The flowers open at night, the same as the night-blooming Nymphaeas. Plants \$7.50 and \$10.00 each.

MISCELLANEOUS AQUATICS

Cyperus Alternifolius (Umbrella Palm). A very attractive plant in water, or planted in moist ground. 15c. and 25c. each.

Eichhornia Crassipes Major (Water Hyacinths). An interesting floating plant, with dark, lustrous leaves and delicate rosy-lilac flowers on large spikes. 15c. each, \$1.50 per doz.

Limnanthemum Indicum (Water Snowflake). A pretty Lily-like plant, producing masses of dainty snow-white flowers, beautifully fringed. 25c. each, \$2.50 per doz.

Limncharis Humboldtii (Water Poppy). A very pretty aquatic plant, with floating leaves and large, yellow, Poppy-like flowers; continuous bloomer; desirable for aquariums. 15c. each, \$1.50 per doz.

Myriophyllum Proserpinacoides (Parrot Feather). Very fine fluffy foliage, looks like a mass of green silk, ideal for aquariums. Strong plants 15c. each, \$1.50 per doz.

SMALL FRUITS, ETC.

Shipping Seasons for Small Fruits
 April, May, October, November



NEW EVERBEARING RASPBERRY "RANERE"

The term "everbearing" as applied to this sort really means a two-crop variety. It yields its first crop of berries in June, the regular season for raspberries, and then yields an equally heavy crop the latter part of August. On August 27th, there were 150 crates of 60 boxes each shipped out of a small town in New Jersey, where this sort originated, and yet in October it was producing fruit of excellent quality and quantity, and the price realized for the berries was from 7 to 8 cents per pint box wholesale. It can readily be seen what a money-maker this variety is.

The fruit is large, very sweet and juicy, and is borne in great abundance. The cluster of which we show an illustration here was photographed and actually had 169 berries, ripe and unripe, on it.

The foliage is very heavy, of a beautiful dark green, and seems to resist rust and other diseases better than any of the older varieties. The plant has a remarkable constitution, surviving the severest winter, as well as the most obstinate spell of dry weather. It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color and does not seem to sunscald as easily as other sorts. Last year the variety "St. Regis" created quite a sensation, but "Ranere" has "St. Regis" eclipsed several times.

We will send out strong, one year old cane which, from our experience in the past, will bear the first season.

There is going to be a big demand for this raspberry and we recommend placing your order at an early date.

Price: \$1.00 per doz., per 100 \$6.00, \$25.00 per 500, \$40.00 per 1000.

STANDARD VARIETIES OF RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Brilliant. Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. \$1.00 per doz., per 100 \$5.00.

RASPBERRIES—Continued

Cumberland (Blackcap). The largest raspberry known. Selected specimens measure an inch in diameter, immensely productive. Season a little in advance of Gregg. 60c. per doz., per 100 \$3.00.

Cuthbert. Berries very large, measuring three inches around; conical; rich crimson. 60c. per doz., per 100 \$3.00.

Columbian. Fruit very large, often an inch in diameter; color dark red, bordering on purple. 60c. per doz., per 100 \$3.50.

Gregg (Black). Large, firm, of good quality, ripening late. Exceedingly productive. 60c. per doz., per 100 \$3.00.

Golden Queen. Berries are large, of beautiful bright yellow, of excellent quality; medium to late. Per doz. 75c., \$3.50 per 100. We can also supply all other varieties.

BLACKBERRIES (Extra Strong Plants)

Eldorado. A very vigorous grower, free from mildew or rust, enormously productive; fruit large, excellent quality, free from core. Per doz., 60c.; \$3.00 per 100.

Erie. Very productive; free from rust; fruit of good quality. 75c. per doz., \$3.00 per 100, \$12.00 per 1000.

Ohmer. Canes hardy; fruit very large; of excellent quality, firm, with no core, and sweet before soft or fully ripe. 60c. per doz., \$3.50 per 100.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color, under all conditions; sweet, without core. Unsurpassed as a shipper and keeper. Per doz. 75c., \$4.00 per 100.

Rathbun. Fruit is of enormous size, single specimens measure one and three-quarters inches in length, firm and sweet, with no core. Plant is very hardy. 60c. per doz., per 100 \$3.00.

Ward. A new blackberry of great merit. A seedling of the Kittatinny, which it resembles somewhat. A very strong grower; it is perfectly hardy. The fruit is black throughout, very prolific and firm. 60c. per doz., \$4.00 per 100.

We can also supply all other varieties.

The above are extra strong and cannot be mailed.

CURRANTS (Extra Strong Plants)

Currants like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Black Naples. Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.

Cherry. Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red. One of the most productive of the large currants.

Fay's Prolific. Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

North Star. Bush very vigorous, upright, somewhat spreading; clusters medium length.

Red Dutch. An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red.

Versailles (La Versailles). Bush a vigorous, somewhat spreading grower. Very similar to Cherry in habit of growth and character of fruit.

White Grape. Clusters long; berries very large; of very attractive color, mild flavor and good quality.

Price, any of above varieties of currants, except where noted, strong 2-year-old, 15c. each, per doz. \$1.25, \$8.00 per 100.

The above are extra strong and cannot be mailed.



Fay's Prolific Currants

Plants can only be shipped via express or freight. No Plants sent C. O. D.

(hw)



GRAPE VINES

Brighton. Bunch large, well formed; berries above medium to large, round; excellent flavor and quality. One of the earliest in ripening.

Campbell's Early A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

Concord. The well-known standard purple variety, succeeds wherever grapes will grow.

Delaware. Bunches and berries rather small; light red; very juicy.

Green Mountain. A very early grape of the best quality; of medium size; color, greenish-white; almost melting in the mouth; vine vigorous, healthy and productive. 50c. each, per doz. \$5.00.

Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

Moore's Early. Berry large, with heavy blue bloom. Vine exceedingly hardy; desirable for an early market.

Niagara. An unusually strong grower; bunches very large and compact, berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

Pocklington. Bunch and berries large, when fully ripe a light golden-yellow. Vine thoroughly hardy, strong grower and productive.

Vergennes. Berries large, holding firmly to the stem; light amber; rich and delicious.

Worden. A beautiful, large black grape; larger, earlier and decidedly better than Concord.

Wyoming. Vine very hardy, healthy and robust. One of the most beautiful of the amber or red grapes, and in size nearly double that of the Delaware. Flesh tender and sweet, with a strong native aroma. Ripens before Delaware.

Prices, except where noted: 2-year-old, 25c. each (by mail 30c. each); per doz., \$2.50.

SPECIAL OFFER. We have an extra fine stock of the following varieties, which are described above in strong, 3-year-old vines. These will invariably produce fruit a year after planting, which makes it well worth while to plant 3-year-old stock.

Brighton	Moore's Early	Worden
Campbell's Early	Niagara	Wyoming
Catawba (Red)	Pocklington	
Moore's Diamond	Vergennes	

Price of the above 3-year-old vines, 50c. each, per doz. \$5.00. (Three-year-old Grape Vines cannot be mailed.)

We can also supply all other varieties.



GOOSEBERRIES (Extra Strong)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Chautauqua. A new white gooseberry, equaling the finest and largest varieties in size. 25c. each, doz. \$2.50, \$17.50 per 100.

Columbus. A new yellow variety; very prolific, free from mildew; fruit larger than Industry. 25c. each, per doz. \$2.50, \$17.50 per 100.

Downing. Fruit medium to large, whitish green; flesh soft, juicy. Each 15c., per doz. \$1.50, per 100 \$10.00.

Houghton. Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale red, tender and good. 20c. each, per doz. \$2.00, \$12.50 per 100.

Red Jacket. Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage. 20c. each, per doz. \$2.00, \$12.50 per 100.

STRAWBERRY PLANTS (Extra Strong Layers)

Ready from April 1st to May 15th, and from Oct. 1st to Nov. 15th.

EARLY VARIETIES

Abington, Chipman, Fairfield, Kittie Rice, Senator Dunlap, Success.

MID-SEASON VARIETIES

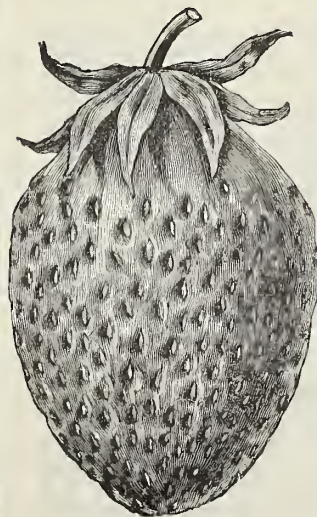
Auto, Bubach, Commander, Cardinal, Heritage, Nick Ohmer, President, William Beit.

LATE SEASON VARIETIES

Brandywine, Chesapeake, Commonwealth, Gandy, Glen Mary, Norwood, New Home, Superior, Sample, Saunders, Sharpless, Steven's Late Champion, Haverland.

Price of any of the above, 25c per doz. (by mail 35c.), \$1.25 per 100 (by mail \$1.50), \$7.50 per 1000.

Pot-Grown Strawberry Plants ready about August 1st. Average price for these is \$4.00 per 100, per 1000 \$32.50.



FRUIT AND NUT TREES

In this department we are able to supply our customers with exceptional values. The list embraces only the best and tried kinds, the selection being large enough to satisfy most anyone's wants. Shipping season, April-May, October-November.



Paragon Chestnuts

CHESTNUTS

Grafted Chestnuts are very desirable, as they come into bearing a year or two after planting.

Alpha. (*Japanese Grafted.*) The earliest known chestnut. Comes to bearing at two to three years old and is very productive. Nuts large, four inches around and two to three to a burr. Ripens September 5th to 10th, without frost; 4 to 6 ft. trees, \$1.75 each; per doz., \$17.50.

Scott. (*Grafted.*) A very vigorous, upright grower, attaining great size, the original tree having a spread of about eighty feet; immensely productive. Nuts of medium size, light in color, bright, handsome, of very good quality. 4 to 6 ft. trees, \$1.75 each; per doz., \$17.50.

Spanish Numbo. (*Grafted.*) Very hardy; very productive. Comes to bearing quite young. Nuts large and of good quality, ripening early, usually before frost. 4 to 6 ft. trees, \$1.50 each; per doz., \$15.00.

Paragon. (*Grafted.*) Tree hardy, productive; nuts large and of excellent quality. It has been known where two trees four years grafted produced one bushel of nuts each. 4 to 6 ft. trees, \$1.75 each; per doz., \$17.50.

Parry's Giant. (*Japanese Grafted.*) These nuts are enormous, measuring six inches in circumference and run two to a burr. A vigorous, upright grower and very productive; nuts smooth, dark and attractive; ripens September 25th. The largest known chestnut. 4 to 6 feet trees, \$1.75 each; per doz., \$17.50.

Ridgeley. (*Grafted.*) A large variety of the chestnut from Delaware. Very productive. As indicating its great value as a market variety, the crop from the original tree is reported to have brought \$32.00. 4 to 6 ft. tree, \$1.75 each; per doz., \$17.50.

Native Sweet Chestnut. The well-known chestnut of the forest, for sweetness and quality unsurpassed. A vigorous, healthy-growing tree, and the best stock on which to graft the improved varieties. It makes a beautiful shade tree, also, showing billowy masses of creamy bloom in summer. 3 to 4 ft. trees, 60c. each; per doz., \$6.00. 5 to 7 ft. trees, \$1.00 each; per doz., \$10.00.

WALNUTS

Persian Kaghazi is claimed to be the hardiest of all soft-shelled walnuts. It is a vigorous, free grower; very prolific, producing nuts in clusters, and comes to fruiting very young. The nut is larger than in the ordinary varieties; the kernel full, plump, meaty, sweeter, richer in oils and of finer flavor. The shell is thin but not tender, like some "paper shell" varieties, does not crack in handling, still may be crushed in the fingers. 3 to 4 ft. trees, 75c. each; per doz., \$7.50. 4 to 5 ft. trees, \$1.00 each; per doz., \$10.00.

WALNUTS—Continued

Persian (Madeira). The well-known English Walnut, a handsome, lofty-growing tree of spreading habit, hardy and productive as far north as New York City. Trees of this variety are plentiful in New Jersey, and produce annually immense crops of thin-shell nuts of a delicious quality. This tree should not be planted for the nuts alone, but as a shade and ornamental tree, its handsome form, deep green foliage, and clean appearance rendering it strikingly handsome as a lawn tree. 2 to 3 ft. trees, 50c. each; per doz., \$5.00. 3 to 4 ft. trees, 75c. each; per doz., \$7.50. 4 to 5 ft. trees, \$1.00 each; per doz., \$10.00.

Black Walnut. A native tree of large size and majestic form, beautiful foliage. The most valuable of all trees for its timber; a rapid grower, producing a large, round nut of excellent quality. 3 to 4 ft. trees, 50c. each; per doz., \$5.00.

We can also supply all other varieties of Nut Trees.



APPLES

Baldwin. Large, roundish; deep bright red; very productive; handsome fruit. One of the most popular varieties in northern States. January to April.

Ben Davis. Large, handsome, striped, productive; a late keeper. A profitable market sort. December to March.

Grimes' Golden. (*Grimes' Golden Pippin.*) Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive. January to April.

Maiden's Blush. Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant sub-acid flavor. September and October.

Red Astrachan. Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive. August.

Rhode Island Greening. Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer. December to April.

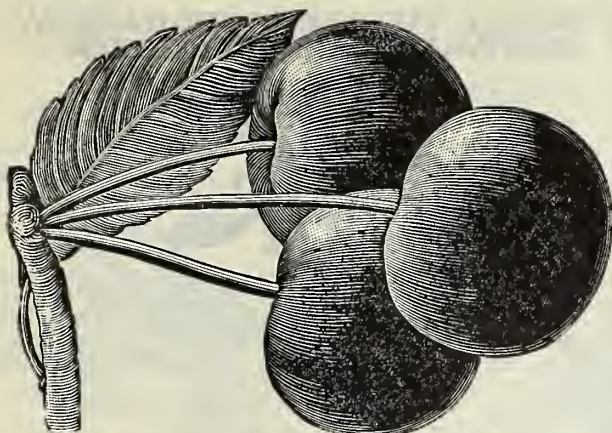
Smokehouse. A popular old variety in Pennsylvania, where it originated. Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish. A rather crooked grower, but productive. September to February.

Northern Spy. Large, roundish, slightly conical. Flesh white and tender, with a rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air and light freely. January to June.

Orange Pippin. Medium size; golden yellow; very productive and valuable. Early.

Any of the above in 6 to 8 ft. trees, 60c. each; doz., \$6.00; \$40.00 per 100.

We can also supply all other varieties, also Crab Apples.



Black Tartarian Cherry

CHERRIES

Black Tartarian. Very large, purplish-black; flavor mild and pleasant. Tree a remarkably *vigorous* grower, and an immense bearer. Last of June and beginning of July.

Early Richmond. Medium size, dark red. This is one of the most valuable and popular of the acid cherries, is unsurpassed for cooking purposes and exceedingly productive. June.

Governor Wood. Fruit large, roundish, heart-shaped. Skin light yellow, shaded and marbled with bright red. Middle of June.

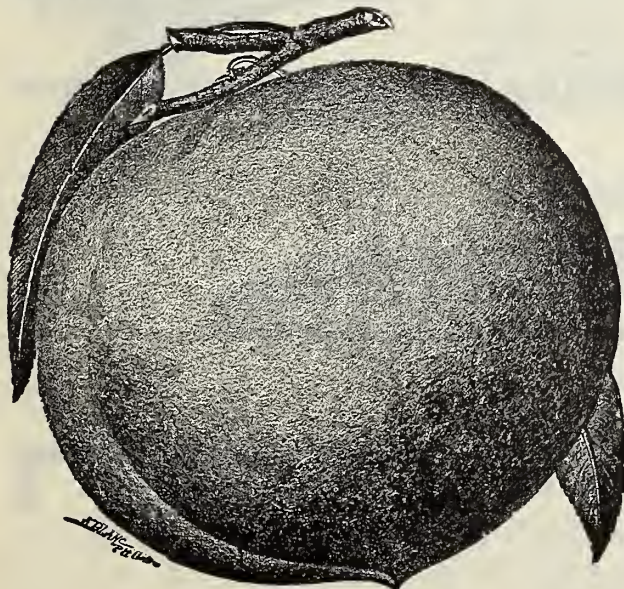
Large Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Last of June.

Mercer. A heart variety of large size, excellent quality and attractive appearance, larger than Black Tartarian; color when ripe very dark red, very meaty and firm, free from rot and disease, very productive, hardy and a good grower; an excellent cherry for the home garden. Early.

Napoleon. A magnificent cherry of the largest size; pale yellow, with a bright red cheek; flesh very firm, juicy and sweet; enormous cropper; ripens late; valuable for canning.

Yellow Spanish. Large; pale yellow, with bright red cheek in the sun; flesh firm, juicy and delicious; one of the best, most beautiful and popular of all light-colored cherries. Tree erect, *vigorous* and productive. End of June.

Extra Strong Trees, 6 to 8 feet high, 75c. each; per doz., \$7.50. We can also supply all other varieties.



Crawford's Late Peach

PEARS

Bartlett. Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly. August and September.

Flemish Beauty. Large, beautiful, juicy, melting; good bearer; one of the hardiest and does well nearly everywhere. September and October.

Howell. Large, light, waxen yellow, with a fine, red cheek; handsome, rich; aromatic flavor. An early and profuse bearer. September and October.

Kieffer. While not of best quality, properly ripened it is a fair dessert fruit, and one of the very best for canning and preserving. October and November.

Lawrence. A good grower; very productive. Fruit medium, canary-yellow, sweet and excellent; a good keeper. December.

Le Conte. Very vigorous grower, with luxuriant foliage; fruit very large, greenish-yellow, smooth and handsome; juicy. Early.

Rossney. A large variety of rare merit; flesh fine grained and of superior flavor; skin a beautiful creamy yellow, with crimson blush, giving it a tempting appearance; ripening in September.

Worden-Seckel. A seedling of the Seckel. Equal in quality to its famous parent, which it much resembles in flavor, is equally as luscious, more juicy, while in size, color, form and appearance it is decidedly superior; hardy and an enormous bearer; fruit keeps well. October.

Extra Strong Trees, 6 to 8 feet high, 75c. each; per doz., \$7.50. We can also supply all other varieties.

PLUMS

Abundance. The fruit is very large, showy and beautiful. Amber, turning to a rich, bright cherry color. Ripens early in August.

Burbank. Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty, yellow; from two to four weeks later than Abundance.

Hale. The plums are of the largest size, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red.

Red June (Japan). Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

Sultan. Very large in size, deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

Wickson. Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper. Ripens after Burbank.

Wild Goose. Large, rich, crimson; very productive and profitable.

Extra, 5 to 6 feet, 75c. each; per doz., \$7.50.

PEACHES

Trees such as we furnish will often bear the year after they have been set out.

Crawford's Early. The best yellow peach for market; fruit large, oblong; skin yellow, with fine red cheek; flesh yellow, juicy; wonderfully productive. Last of August.

Crawford's Late. Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts. Last of September.

Elberta. Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. Is doing well in all peach sections north and south. One of the leading market varieties. Follows Early Crawford.

Mountain Rose. The largest early peach. White, with red cheek; rich and very good; productive and reliable. Freestone.

Oldmixon Free. Uniformly large; white, covered with bright red; one of the best. Last of August.

Stump the World. Very large; skin white, with bright red cheek; flesh white, juicy and good. Last of September.

Extra Strong Trees, 5 to 6 feet high, 40c. each; per doz., \$4.00. We can also supply all other varieties.

QUINCES, APRICOTS and all other Fruit Trees
can be furnished promptly at reasonable prices
for Reliable Stock.

HORSE CULTIVATORS, etc.—Planet Jr. and Iron Age

**No. 8 PLANET Jr.
HORSE HOE
AND
CULTIVATOR**

Made of steel throughout. The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by the mere stroke of the arm. The side or covering steels and shovel which is in the rear may be taken off and the arms so turned that when the extra teeth, which accompany the machine, are attached, it presents a perfect five-toothed cultivator.

Price \$8.50

**No. 4
PLANET Jr.
HORSE HOE**

Modern cultivator for either garden or field use, for furrowing covering and cultivating, being adjustable to these several purposes.

Price, \$6.25. Without wheel, \$5.50.

**PLANET Jr.
7 TOOTH
CULTIVATOR**

Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the 5-tooth machine. The expanding lever makes possible to cultivate a row of greater width than is possible with a smaller size. Price, complete as in cut, \$7.50. Without wheel, \$6.75.



Planet Jr. Double Celery Hiller

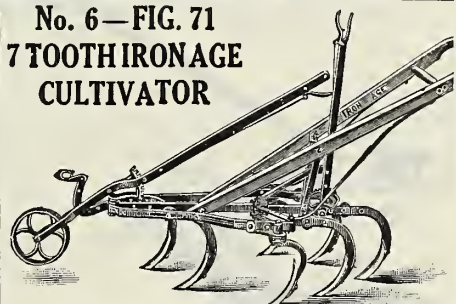
PLANET Jr. CELERY HILLER

For throwing earth against celery plants prior to blanching, nothing equals this machine. Made in two styles. Single, for hilling one side of the row. Double, for hilling one side of 2 rows. Price, double style, \$15.50; single style, \$12.50.

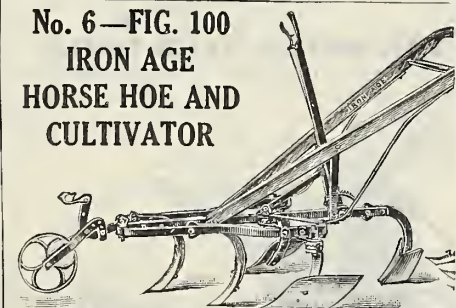
**No. 9 PLANET Jr.
PLAIN
CULTIVATOR**

A light, strong and serviceable tool. To cultivate very narrow rows, the outside teeth and standards can easily be removed from the frame or replaced quickly.

Price, with wheel, \$6.00; without wheel, \$5.25. Weight, 56 lbs.

**No. 6—FIG. 71
7 TOOTH IRON AGE
CULTIVATOR**

By means of the lever wheel the depth may be regulated with a single stroke of the arm; the expanding lever renders it able to go through very narrow rows successfully. The cultivator may also be used as a five-tooth machine by merely unbolting two teeth and arms. Price, \$6.75.

**No. 6—FIG. 100
IRON AGE
HORSE HOE AND
CULTIVATOR**

Equipped with side steels or covers, which can easily be detached, and the regular cultivator teeth, which accompany each implement, attached. Price, \$5.75.

**FIG. 10—No 1 IRON AGE
CULTIVATOR**

Largely sold in those sections of the country where labor is inefficient and a cheap and simple tool is desirable.

Price, as in cut, \$3.15; with plain wheel, \$3.65; with lever expander, \$3.90; with lever and wheel, \$4.40.

(See illustration on top of next column.)

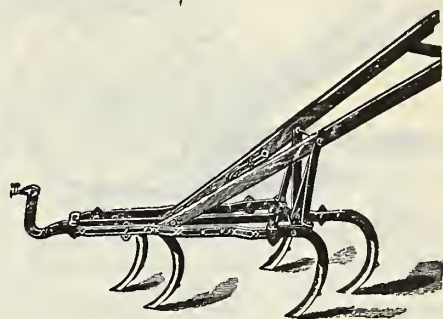
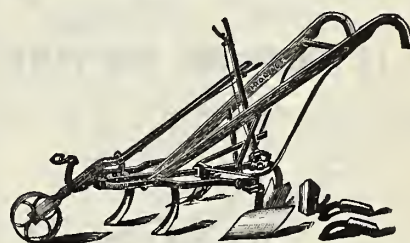
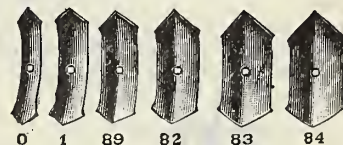


Fig. 10—No. 1 Iron Age Cultivator

**No. 1—FIG. 64.
IRON AGE HORSE HOE AND
CULTIVATOR**

Is somewhat lighter than No. 6; it is necessary to make use of a separate pair of cultivator standards when wishing to convert it into a plain cultivator. All the "IRON AGE" attachments with the exception of the Furrow-Closing and Depth Regulator, are applicable to this admirable and well-known tool. Price, \$6.25.

**IRON AGE CULTIVATOR
TEETH**

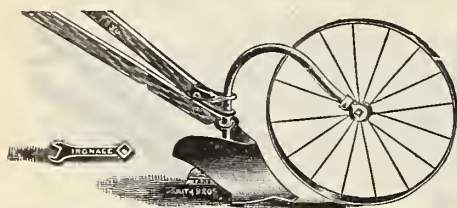
No.	Width	Each	No.	Width	Each
0	1 1/4-in.	\$.10	82	3 -in.	\$.11
96	1 1/2-in.	.10	83	3 1/2-in.	.13
1-2	-in.	.10	84	4 -in.	.14
89	2 1/2-in.	.10	68	4 -in.	.12

Bolts for Teeth, 3c. each; per doz., 30c.

**IRON AGE HORSE
CULTIVATOR PARTS**

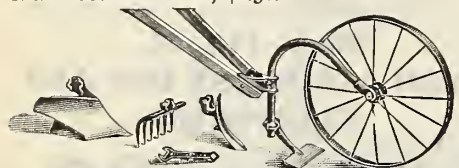
Handles complete	\$.75
Handles, each	.30
Handle Rounds	.10
Wheels, plain, No. 2	.50
Wheels with lever	1.00
Expanding Levers	1.20
Expanding Clamps	.25
Clevis	.15
Wrenches	.10
Diamond Harrow Teeth	.12

IRON AGE FARM AND GARDEN TOOLS



NO. 11 WHEEL PLOW

The work of hilling up crops in the garden by the old method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidly, it also does it much better. Price, \$2.50.



NO. 12 WHEEL HOE AND PLOW

This tool is a most desirable one for the family garden and truck patch. It may be speedily changed for different purposes.

Price \$3.50



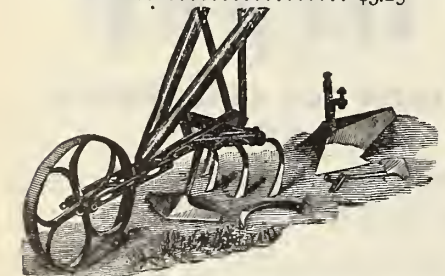
NO. 9 WHEEL HOE, PLOW AND CULTIVATOR

The most complete of the Iron Age single wheel hand tools. It may be used as a hilling plow for hoeing, weeding and raking.

Price \$5.25

No. 10.—This is similar to the above machine but with one pair of side hoes only.

Price \$3.25



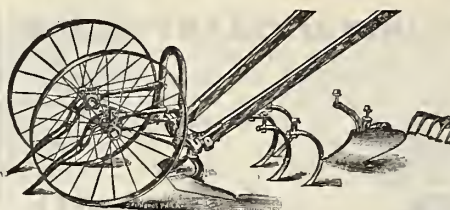
GEM SINGLE WHEEL HOE

Of garden tools this is the most popular, being low in price and complete in detail, suited for most any work in a garden. It weeds, hoes, hills and harrows. Price, \$5.00.

GEM DOUBLE WHEEL HOE

Similar to the single wheel machine, excepting for the fact that it possesses another wheel and is minus the scufflers. It has instead one pair of side hoes, which can be used to better advantage on such a tool. The wheels may be adjusted to enable plants to be worked on both sides of row.

Price \$6.00



No. 1 Iron Age Double Wheel Hoe

Double Wheel Hoes possess very great features over the single wheel machines. One point is that a row of plants may be worked complete on both sides with safety, and the entire soil gets thoroughly loosened without the least possible injury to the plants. The high centre arch enables this type of machine to be used where others would not be so practical. Two rakes, not shown, accompany this tool. Price, \$7.00.

No. 3 Wheel Hoe is the above machine with vine lifters and one pair sides hoes only. Price, \$4.25.

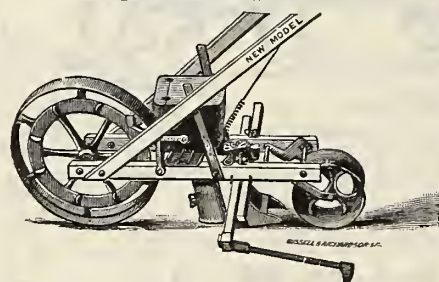
IRON AGE HAND PLOW

For making furrows, hilling, etc.

Price, each, \$1.35.

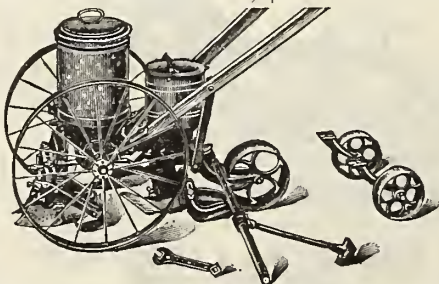


Iron Age Hand Plow



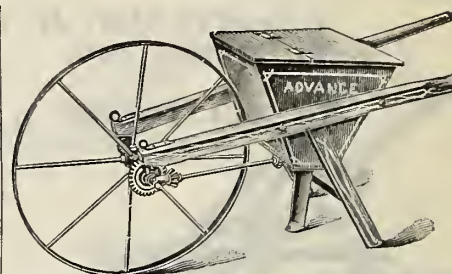
THE MODEL SEED DRILL

The depth of sowing can be regulated to any desired distance. It is well named the market gardeners' drill, having a large capacity for seeds, and is a wonderfully efficient machine. Price, \$8.00.



No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder

One of the most successful seed and fertilizer drills ever made. The fertilizer is distributed more accurately than if put on by hand, and the two operations are done in one. Price, \$18.00.



"ADVANCE" FERTILIZER DRILL

We claim the "Advance" to be the best low-priced distributor on the market, and would call attention to its distribution disc of galvanized iron, which can neither break nor rust; also to the wrought iron wheel, which is light and strong.

A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement; being one of those little things which go far, however, in making a tool valuable. A first-class machine for the drilling of peas and corn.

Price, each \$6.75

No. 6 Double and Single Wheel Hoe and Combined Hill and Drill Seeder



From a Seed Drill this tool can be converted into a Wheel Hoe, either single or double, it requiring but about three minutes to change to a Double Wheel Hoe and about two minutes to a Single Wheel Hoe, by an inexperienced operator. Price, as in cut, \$12.00; as Drill only, \$9.00.

NO. 4 COMBINED DOUBLE and SINGLE WHEEL HOE and DRILL SEEDER

Similar to the No. 6 Combined Double Wheel Hoe, Hill and Drill Seeder. It only differs in the seed sowing device and opening plow. Both tools as Double and Single Wheel Hoes are identical. The seed sowing device of our No. 4 is only designed to sow seeds in continuous rows. Price, complete, \$11.00; as a Drill Seeder only, \$8.50.

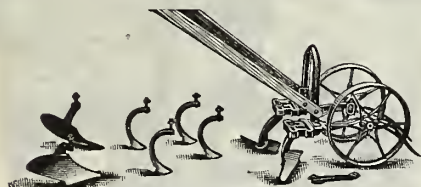
IRON AGE WHEEL HOE PARTS

Gem Landside Plow	\$0.90
Iron Age Landside Plow .....	.90
Weeder for Single Wheel Hoes.....	.80
" " Double " " pair	1.10
Side Plows, right or left.....	.40
Side Hoes, right or left.....	.50
Rakes, 6-tooth .....	.40
Teeth, Gem .....	.35
Teeth, Iron Age .....	.15

Write for Complete Catalog on "Iron Age" Goods—Free



Planet Jr. Garden Tools



No. 12 PLANET JR. DOUBLE WHEEL HOE

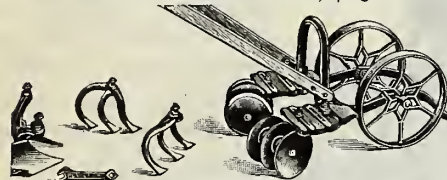
Most popular with the market gardeners. Easily adjusted with any of the accompanying attachments. Price, \$6.50.

No. 13 PLANET JR. DOUBLE WHEEL HOE

No. 13 style is an implement for hoeing only; comes fitted with one pair of side hoes only, otherwise precisely as No. 12. Price, \$4.50.

No. 11 PLANET JR. DOUBLE WHEEL HOE

Most complete; the various attachments can be used independent of one another. The large assortment of tools accompanying it renders it invaluable. Price, \$8.50.

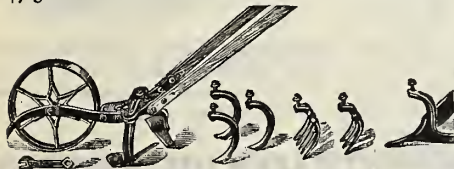


No. 14 PLANET JR. DOUBLE WHEEL DISC HOE, CULTIVATOR AND PLOW

The discs are adjustable for depth and to throw to or from the row as desired.

The set of prong cultivator teeth are constructed on entirely new lines. The tooth next to the row is narrow and is arranged to run shallow, the middle tooth is wider and runs $\frac{1}{2}$ inch deeper, while the outside tooth is very much wider and runs $\frac{1}{2}$ inch deeper still, so that the work is finer next to the row, to avoid injury to the roots of plants and deeper in the centre.

The plows are valuable for furrowing and covering, for plowing away and plowing back as required. Price, with attachments, \$7.50.

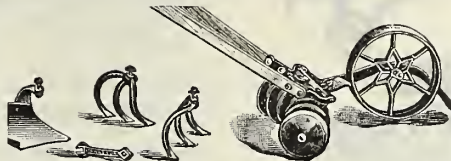


No. 17 PLANET JR. SINGLE WHEEL HOE

For kitchen garden, open field, or market gardens. Price, \$4.75.

No. 16 PLANET JR. SINGLE WHEEL HOE

Compares favorably in completeness with any other style or make. The attachments are splendid for accurate and rapid work. Price, \$5.50.



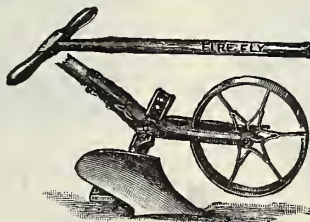
No. 38 PLANET JR. SINGLE WHEEL DISC HOE CULTIVATOR AND PLOW

This new tool is a combination occupying the same position among Single Wheel Hoes as that taken by the No. 14 Planet Jr. Double Wheel Disc Hoe among Doubles. The sets of Discs and Cultivator Teeth are the same as furnished with No. 14 Disc Hoe, and the Plow is identical with that furnished with our Single Wheel Hoe.

Price, complete, as in cut, \$6.50.

No. 18 PLANET JR. SINGLE WHEEL HOE

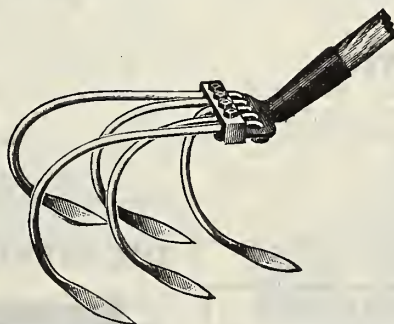
This machine is built in every way like the Nos. 16 and 17, but is fitted with a pair of side hoes only. The frame is identical with the aforementioned machines, so as one's requirements may grow, the attachments which can be purchased at a nominal price may be added. Price, \$3.25.



FIRE FLY GARDEN PLOW

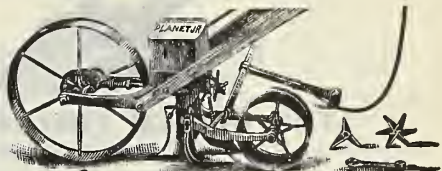
Exceedingly useful to every owner of a garden. It throws furrows various widths; very desirable for plowing up gardens for new crops (after general plowing in spring).

Price, \$2.25.



INVINCIBLE ADJUSTABLE GARDEN CULTIVATOR

This is a wonderfully useful tool, displacing the hoe and rake almost entirely in garden hand cultivating. The teeth are made of extra good steel. They are adjustable, to cultivate shallow or deep. Price, 85c. each.



No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

This is the most popular combined tool made. It combines in a single implement a first-class hill-dropping seeder, a single Wheel Hoe or weeder, a cultivator and a plow. The hopper holds $2\frac{1}{2}$ quarts of seed, which can be sown in continuous rows, or dropped in hills at 4, 6, 8, 12 or 24 inches apart.

The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe.

Price, complete as described above, \$10.50. As a Seeder only, \$8.50.

No. 3 PLANET JR. HILL AND DRILL SEEDER

This Seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills, and also drops in hills at 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by moving a convenient lever, or the flow of seed is stopped by pushing down the feed rod. No time is lost, no seed is wasted. It is quickly set to sow the different kinds of seeds in the exact thickness required. Hopper holds 3 quarts. Price, \$10.00. No. 3 Planet Jr. cannot be equipped as a wheel hoe.

Prices of Planet Jr. Drills (Not Illustrated)

No. 1	.....	\$9.00
No. 2	.....	7.00
No. 25. Combined	.....	13.00
No. 5	.....	12.50

PARTS OF PLANET JR. WHEEL HOES

For Single Wheel Hoe

Wheel, plain	.....	\$0.60
Leaf Lifter	.....	.20
Frame	.....	.75
Handles, per pair	.....	.70

For Double Wheel Hoe

Wrench	.....	\$0.12
Side Frames, each	.....	.55
Wheels, each	.....	.60
Arch	.....	.80
Handles, per pair	.....	.70
Leaf Lifters, each	.....	.20

Parts for Single and Double Wheel Hoes

Side Hoes, per pair, 6-inch	.....	\$0.90
Side Plows, per pair	.....	1.10
Cultivator Teeth, each	.....	.35
Landside Plow	.....	1.10
Rakes, 3-tooth	.....	.35
Rakes, 5-tooth	.....	.45
Rakes, 7-tooth	.....	.55

For Fire Fly Plow

Handle	.....	\$0.50
Frame	.....	.70
Wheel	.....	.60
Mouldboard	.....	.60

**THE OLIVER CHILLED PLOW**

- No. 82N. 2-horse, steel beam, complete with wheel and jointer \$13.50
 No. 83. 2-horse, steel beam, heavy, complete with wheel and jointer 14.00
 No. A2. 1-horse, plain, wood beam, no wheel or jointer.. 5.00
 No. 10N. 2-horse, wood beam, medium, complete with wheel and jointer..... 11.00

**OLIVER HILLSIDE OR REVERSIBLE
MOULDBOARD PLOWS**

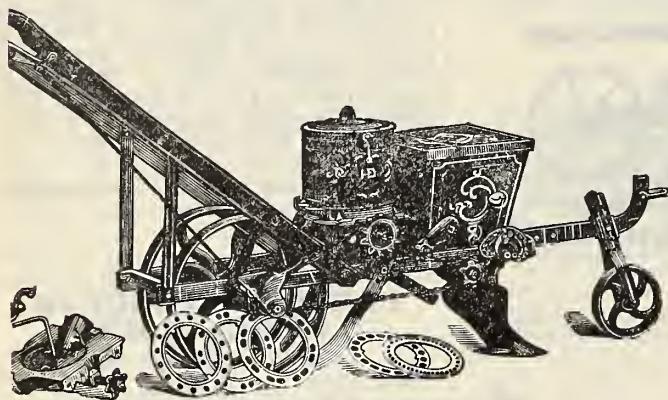
- No. 51. Wood beam, 1-horse, no wheel or jointer..... \$7.00
 No. 508. Steel beam, 2-horse, complete with shifter, chilled mould board..... 16.00
 No. 524. Iron beam, 2-horse, complete with shifter, steel mould board 14.00

NOTE.—No wheel or jointer on No. A2. On the other styles, if this equipment is not desired, deduct \$2.00 for the jointer or \$1.00 for the wheel, whichever part it is desired to leave off.

PRICE LIST OF OLIVER PLOW PARTS

	Shares	Mouldboards	Beams	Handles	Jointerpoints	Landsides
No. 82	\$0.40	\$2.75	\$3.50	\$1.50	\$0.15	\$0.85
No. 83 .....	.45	3.00	3.50	1.50	.15	.85
No. A2 .....	.30	1.35	1.50	1.25		.45
No. 10 .....	.30	2.25	1.50	1.25	.15	.70

We can also supply "South Bend," "Syracuse" and "Gale" Plows, or parts thereof, to those desiring same.

*Keystone Corn Planter***KEYSTONE CORN PLANTER**

This is operated with one horse and will plant from 10 to 12 acres per day in either hills or drills, as desired. Equipped with a Fertilizer Attachment, which operates very accurately. Very simple construction; consists of nothing that will get out of order. It will also plant peas, beans, mangels, or other seeds, when equipped with proper regulating rings, which we can furnish at 25c. each. If wanted for other purposes than planting corn, mention crop to be planted, so that proper rings can be sent. Price, complete, without extra crop rings, \$15.00.

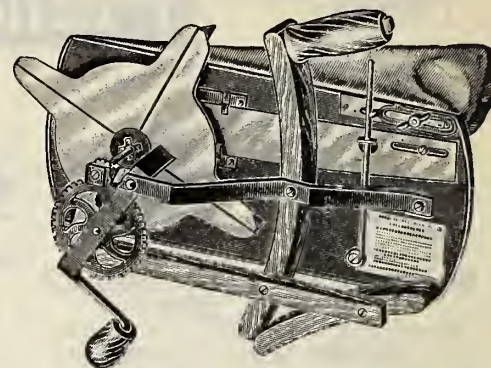
MONOGRAM GARDEN CULTIVATOR

A very desirable tool, easy to operate and thorough in its work. Just the thing for a small vegetable garden. It has a large wheel which makes it easy to push, equipped with hillside plow, cultivator tooth, weeder and scuffle. With this machine a person can do more work in 10 minutes than he can with the old method of hoeing in an hour.

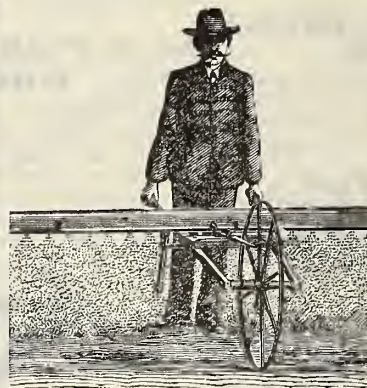
Price, complete, \$1.50.

BROADCAST SEED SOWERS

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre.



Cahoon Make, each.....\$3.25
 Rittenhouse (See cut), each..... 1.75

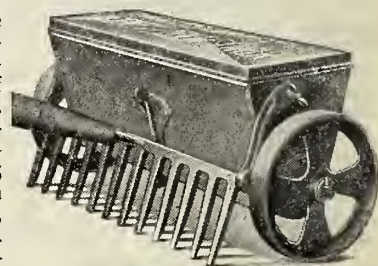
WHEELBARROW GRASS SEEDERS

These machines are now largely used for distributing grass and other seeds over large areas. The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly.

No. 5 (14 feet sowing area), \$7.00.

VELVET FERTILIZER SOWER

The only hand-power Fertilizer Sower on the market that will sow evenly, accurately and any desired amount, all brands of pulverized dry fertilizers. The Fertilizer Box, or Hopper, is made of heavy Galvanized Metal and holds 15 pounds. The amount sown is under absolute control, to a fraction of a pound. It is equipped with an Agitator, as well as Force Feeders. It insures the even spreading of the fertilizer over the ground the entire width of the machine, and the machine sets so close to the ground that the wind has no chance to blow the fertilizer about while being sown. Price, \$6.00

**THE STEVENS FERTILIZER DISTRIBUTOR**

For distributing bone meal, wood ashes, and other commercial fertilizers on fields, lawns, etc. Insures perfect and even distribution, requiring less time than by the hand process. Machine holds about 1 3/4 bu., nicely finished, covering area 3 feet wide. Price, \$12.00.

We can also supply Farm and Lawn Carts or any other heavy agricultural machinery required at right prices

LAWN, FIELD AND GOLF GROUND ROLLERS, Etc.

DUNHAM
WATER BALLAST
ROLLERS

The proper roller for most any occasion; fill it with water or sand, which will weight it any number of pounds desired; 24 inches diameter, can be had in one or two sections. Equipped with counter balanced handle weights, which always keeps the handle in position ready for use; roller axle bearings. The two section roller is desirable on account of its not disturbing the turf or ground when being turned.

No.	Sec- tions	Diam.	Width	Weight Empty	Weight filled with Water	Weight filled with Sand	Price
W. B. 6.....	1	24	25	185	560	840	\$13.60
W. B. 8.....	1	24	32	200	710	1060	15.20
W. B. 10.....	2	18	24	100	300	500	14.40
W. B. 12.....	2	24	32	170	650	1000	19.20

We can also supply other sizes of water ballast rollers.

BOSS HAND ROLLERS

No.	In. Diam.	In. Wide	Sections	Lbs. Weight	Price	No.	In. Diam.	In. Wide	Sections	Lbs. Weight	Price
1...15	15	2	150	\$7.60		8...20	20	3	350	\$17.25	
2...15	22	3	200	10.00		9...24	20	2	400	19.50	
3...20	16	2	225	11.25		10...24	24	2	450	22.00	
4...20	20	2	250	12.50		11...24	24	3	450	22.00	
5...20	20	1	250	12.50		12...24	30	3	500	24.50	
6...20	24	3	300	14.75		13...28	24	2	500	24.50	
7...20	24	2	300	14.75		14...28	24	3	500	24.50	

BOSS HORSE ROLLERS

For Lawn and Golf Ground Use.

For <i>Land and Dry Sheds</i>						For <i>Land and Dry Sheds</i>					
No.	Diam.	Lgth.	Sec- tions	Lbs. Weight	Price	No.	Diam.	Lgth.	Sec- tions	Lbs. Weight	Price
In.	In.	In.				In.	In.	In.			
40...	24	30	3	650	\$41.00	43...	28	30	3	800	\$49.00
41...	24	40	4	800	48.00	44...28*	40	4	4	1000	59.00
42...	24	50	5	950	55.00	45...28	50	5	5	1200	69.00

For Land or Field Use.

17' Laid off 17' 11" Est.					17' Laid off 17' 11" Est.						
No.	Diam. In.	Lgth. Ft.	Sec- tions	Lbs. Weight	Price	No.	Diam. In.	Lgth. Ft.	Sec- tions	Lbs. Weight	Price
63...24	5	5		1450	\$61.25	67...28	6	6		1950	\$81.75
65...28	4	4		1350	59.50	68...32	4	4		2200	95.00
66...28	5	5		1650	70.50	69...32	5	5		2600	110.50

We can also supply other sizes of horse rollers.

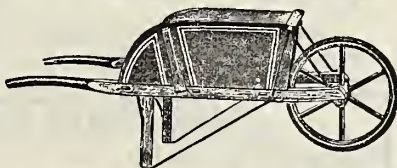
PUTTING GREENS ROLLER

This can be used on clay or grass greens; it is 4 feet wide, made of hard wood, in 4 sections, 10 inches diameter, each with a substantial iron band or ferrule to prevent them splitting. The surface is very even and true, leaving no marks; weight, 190 lbs. Price, \$16.00.

WHEELBARROWS

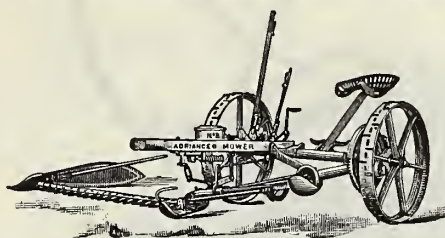
For Farm and Garden Use

The measurements of barrows are understood viz: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.



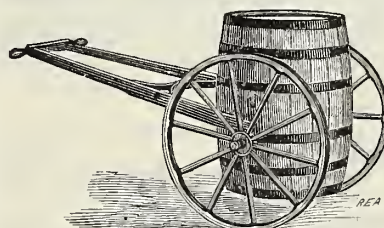
	No.	Tire In.	Length In.	Depth In.	Width In.	Price
Eastern	4	3	26 1/4	11 1/2	27	\$4.50
"	5	3	28 1/4	11 3/4	27	5.00
Jacobs	2	1 1/4	24 1/2	11	23	3.75
"	3	1 1/2	25 1/2	12	24	4.25
"	4	2	27 1/2	14	26	4.75
Boys	1	1	21 3/4	9 1/4	20	3.00
Canal—Side dump (bolted)						\$2.50
Greenhouse						5.00

BUCKEYE FIELD MOWERS



These are now largely used for cutting on golf courses and large lawns, thus doing the preliminary work for the regular horse lawn mower.

No.	Price
7—For 2 horses, chain gear, 5-ft. cut	\$45.00
8—For 2 horses, cog gear, 5-foot cut	45.00
9—For 1 horse, chain gear, 4-foot cut	42.00
10—For 1 horse, cog gear, 4-foot cut	42.00

BARREL
TRUCKS

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack or stone box may be attached.

1 1/2 inch tire truck, all iron wheels, with barrel	\$9.50
2 1/2 " " " " " "	10.25
3 1/2 " " " " " "	11.00

KEYSTONE
LEAF RACKS

This new device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$4.00.

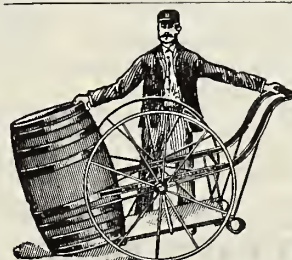
WOODEN LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, shown above, instantly.

Leaf Rack only, no truck	\$5.50
" with 1 1/2 inch truck	11.00
" " 2 1/2 " "	11.75
" " 3 1/2 " "	12.25

EXTRA EQUIPMENT FOR WATER BARREL TRUCKS

Extra Barrels, with trunnions, open head	\$3.25
Trucks only, no wheels	3.50
1 1/2 inch wheels only, per pair	4.50
2 1/2 " " " "	5.25
3 1/2 " " " "	5.75
Stone Boxes for attaching to the above truck	3.25

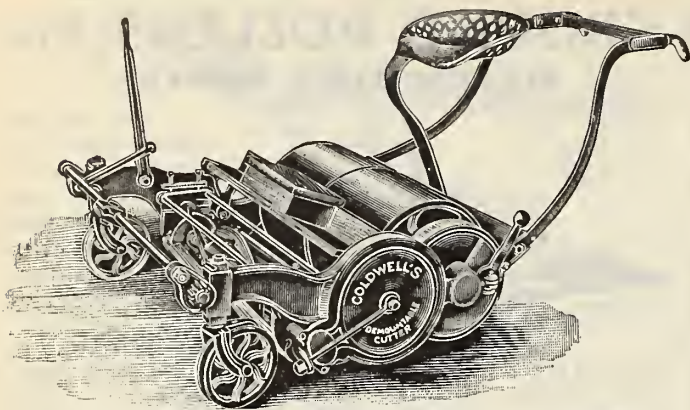


BUTLER HAND CART

The most practical device around a country place for trucking barrels, milk cans, etc.; sides can be had for same, making it useful for hauling anything else. Equipped with all iron wheels, is very carefully and substantially made, so that it will last many years.

	Price
No. 1 (see cut), 1 1/4-in. tire wheels	\$8.00
No. 1 " " " " " "	10.00
No. 2 with side boards, 1 1/4-in. tire wheels	10.00
No. 2 " " " " " "	12.00

All prices subject to market changes



COLDWELL HORSE LAWN MOWER

This machine is undisputably the most satisfactory Horse Lawn Mower in use to-day. Everywhere, upon our largest lawns, upon leading golf courses, the Coldwell is in evidence. Each machine is fitted with a device for regulating the height of cut by the mere raising or lowering of a lever. Every mower guaranteed.

Regular Style

25-inch (Pony Style) . . .	\$37.50	35-inch, with seat and shafts	\$75.00
30-inch, with draft irons .	55.00	40-inch, with draft irons .	85.00
30-inch, with seat and shafts	60.00	40-inch, with seat and shafts	90.00
35-inch, with draft irons .	70.00		

Note.—The above prices are for 4-blade cylinders; if 6 blades are desired, add \$6.00 to the price of each machine.

Demountable Cutter Style

(See illustration above)

These are equipped with two sets of revolving cutter knives, one to be used when the other gives out or is in the repair shop. The cylinders are put in and taken out in a few minutes, and this innovation is a decided improvement in horse lawn mowers.

	With Drawbale and Single Tree	With Seat and Shafts
30 inches	\$95.00	\$100.00
35 "	120.00	125.00
40 "	145.00	150.00

If the demountable style is wanted and customer does not wish the extra cylinder, deduct from the price of this style as follows:
30 inches, \$20.00; 35 inches, \$25.00; 40 inches, \$30.00.

These extra cylinders can be purchased afterwards at the following prices: 30-in., \$40.00; 35-in., \$50.00; 40-in., \$60.00.

PENNSYLVANIA GRAND HORSE MOWER

Extra wide blades, self-sharpening, heavy rollers, and many distinctive features to recommend it to particular people.

	4-blade cylinder	6-blade cylinder
30-inch cut, with draft iron, no seat or shafts,	\$65.00	\$73.00
38-inch cut, " " " " " "	85.00	93.00
39-inch cut, with seat and shafts, as illustrated,	77.00	85.00
38-inch cut, " " " " " "	100.00	108.00

PENNSYLVANIA HORSE LAWN MOWER

Self=Sharpening. 4 and 6 Knives.

30-inch, with draft irons only	\$60.00
30-inch, with seat and shafts and side draft attachment....	72.00
38-inch, with draft irons only	78.00
38-inch, with seat and shaft and side draft attachment....	90.00

Freight prepaid free on all Pennsylvania Horse Mowers shipped new from factory within a radius of 100 miles.

The above prices are for four-blade mowers; if six-blade mowers are desired, add \$8.00 to the price of each machine.

Forward Delivery Grass Box, for 30-inch mower.....	\$15.00
Forward Delivery Grass Box, for 38-inch mower.....	20.00

WEED BUCKLER or high grass attachment, for 30-inch machine, \$22.00; for 38-inch machine, \$25.00.

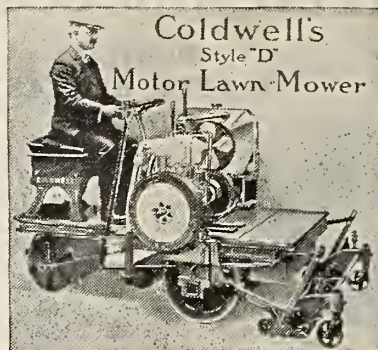
PENNSYLVANIA PONY LAWN MOWER

This machine is also designed for two men where a horse or pony is not available. Cuts a swath 25 inches wide. Fitted with a wooden roller in the rear.

Prices: **4=blade** cylinder, \$30.00; **6=blade**, \$36.00.

Grass Catcher for Pennsylvania Pony Lawn Mower, \$3.00 each.

We can also supply Philadelphia and Townsend Horse Mowers.

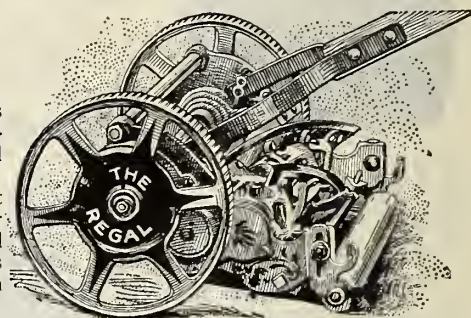


**COLDWELL'S MOTOR
LAWN MOWER
(Style D.)**

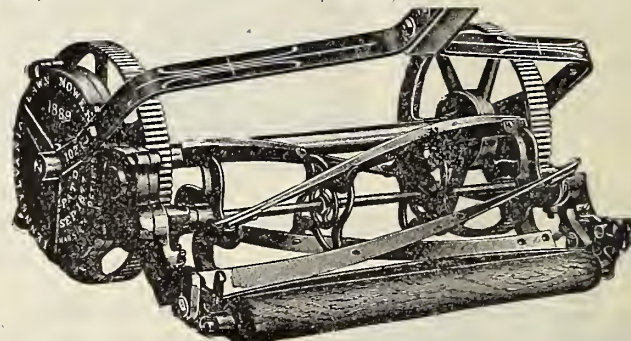
This machine embodies the latest improvements in gasoline lawn mowers, and is as perfect as it is possible to make them. The machine can be used either as a roller or a mower, or both at one time. It cuts a swath 40 inches wide and will do the work of 6 horse mowers. Price, \$1,300.00. Correspondence solicited and special descriptive book on request.

REGAL BALL BEARING HAND MOWER

This machine is made by the Coldwell factory and has been thoroughly tried out by us the past four years. We are glad to say that it has made good in every way.



14-in., 5-blade cyl., H.W. \$9.00	18-in., 5 blade cyl., H.W. \$11.00
16-in., " " " " 10.00	20-in., " " " " 12.00



PENNSYLVANIA LAWN MOWERS

Low wheel, 8-inch diameter.	High wheel, 10½-in. diameter.
10-inch .....\$6.50	15-inch .....\$12.00
12-inch .....7.50	17-inch .....13.50
14-inch .....8.50	19-inch .....15.00
16-inch .....9.50	21-inch .....16.50
18-inch .....10.50	

PENNA. JR. BALL BEARING MOWERS

8-inch or low wheel, 5-blade cylinder, 5½-inch diameter.

12-inch	.....\$8.50	16-inch	.....\$10.50
14-inch	.....9.50	18-inch	.....11.50

10-inch or high wheel, 5-blade cylinder, 6-inch diameter.

15-inch	\$13.00	19-inch	\$16.00
17-inch	14.50	21-inch	17.50

LAWN MOWER SHARPENING

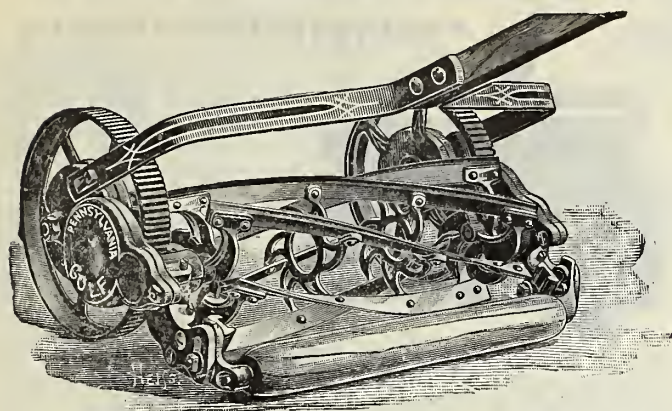
This work is done for us by a competent mechanic, and we can insure entire satisfaction.

Horse Mowers, 25-in. \$5.50, 30-in. \$7.00, 35-in. \$7.00, 40-in. \$8.
Hand Mowers, 10 to 17-in. \$1.35, 18 to 21-in. \$1.60.

Golf Mowers (6 blades). 14 to 18 in. \$1.75, 19 to 22 in. \$2.00.

New parts required on repaired mowers supplied at factory prices. Above figures are for sharpening the cylinder and bottom blades only and does not include any new parts that may be needed.

WIRE HORSE MUZZLES, used when mowing lawns or working the garden, 25c. each.



PENNSYLVANIA GOLF LAWN MOWER

8-inch Low Wheel, 6 Blades. Ball Bearing	9½-in. High Wheel, 7 Blades. Ball Bearing.
14-inch .....\$14.00	17-inch .....\$20.00
16-inch 16.00	10-inch 22.00
18-inch 18.00	21-inch 24.00
8-inch Low Wheel, 6 Blades. Plain Bearing.	9½-in. High Wheel, 6 Blades. Plain Bearing.
14-inch .....\$12.00	17-inch .....\$16.50
16-inch 13.50	19-inch 18.00
18-inch 15.00	21-inch 19.50

PENNA. PUTTING GREENS MOWER

Designed for cutting wavy or undulating greens, which are very popular on some courses. It is gear driven, with a seven-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as ⅛ inch. Equipped with a 6-blade cylinder 5½ inches in diameter.

10-inch cut .....\$11.00	16-inch cut .....\$17.00
12-inch cut 13.00	18-inch cut 19.00
14-inch cut 15.00	

COLDWELL'S PUTTING GREENS MOWER

6-blade cylin. no grass catcher.	4-blade cylin. no grass catcher.
14-in. ..\$11.50	18-in. ..\$14.50
16-in. .. 12.50	20-in. .. 16.50
14-in. ..\$9.75	18-in. ..\$12.75
16-in. .. 10.75	20-in. .. 14.75

Grass Catchers for Coldwell Putting Greens Mowers

14-in. ...\$2.00	16-in. ...\$2.15	18-in. ...\$2.30	20-in. ...\$2.45
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COLDWELL'S DEMOUNTABLE CUTTER PUTTING GREENS MOWER

These machines are each provided with two complete sets of cylinder knives. A desirable feature, especially in a golf mower, which makes it impossible for the machine to be out of commission at any time, as the extra cylinder can be put in in less than a minute. The machine is equipped with an iron roller in the rear and in addition, a wheel carriage for transporting the mower from one putting green to the other. The cylinder has six blades. 16-inch, \$25.00; 18-inch, \$30.00; 20-inch, \$35.00.

If the extra cylinder is not wanted, deduct from the above prices as follows: 16-inch, \$7.00; 18-inch, \$8.00; 20-inch, \$9.00.

TOWNSEND GOLF WONDER MOWER

For putting greens this is a Cracker Jack, complete with a forward delivery grass box: 14-inch, \$17.00; 16-inch, \$19.50; 18-inch, \$21.00.

CONTINENTAL LAWN MOWERS

High wheel, 9½-inch diameter.	Low wheel, 7¼-inch diameter.
15-in. ..\$12.00	10-in. ...\$6.50
17-in. .. 13.50	12-in. ... 7.50
	14-in. ... 8.50
	16-in. ...\$9.50
	18-in. ...10.50

GREAT AMERICAN MOWERS

10½-inch high wheel. 5-blade cylinder. Ball Bearing.	
15-in. ..\$9.50	17-in. ..\$10.50
19-in. ..\$11.50	21-in. ..\$12.50

PHILADELPHIA LAWN MOWERS

High wheel, style A. All steel.	High wheel, style K.
15-in. ..\$10.50	19-in. ..\$12.50
17-in. .. 11.50	21-in. .. 13.50
	14-in. ...\$6.50
	16-in. ... 7.00
	20-in. ... 8.00

GRAHAM HIGH WHEEL MOWERS

This is an exceedingly fine mower, the best product of the Philadelphia Lawn Mower Co., after whose worthy president it has been christened. Easy running and of best steel.

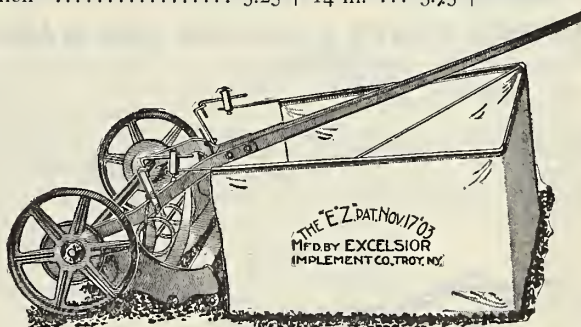
15-inch .....\$13.00	19-inch .....\$15.00
17-inch 14.00	21-inch 16.50

NEW DEPARTURE LAWN MOWERS

9½-in. wheel, 4-blade cylinder.	7-inch wheel, 3-blade cylinder.
15-inch .....\$7.25	12-inch .....\$4.50
17-inch 7.75	14-inch 4.75
19-inch 8.25	16-inch 5.25

ELECTRA LAWN MOWERS

9-inch wheel, 4-blade cylinder.	8-inch wheel, 3 blade cylinder.
14-inch .....\$4.75	10-in. ...\$3.25
16-inch 5.00	12-in. ... 3.50
18-inch 5.25	14-in. ... 3.75



THE EASY GRASS CATCHER

There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The Easy is designed to fit any size or style of mower and can be attached or detached in a moment. Made of sheet iron bottom and canvas sides. Price, 12- to 16-in. size, \$1.50 each; 19- to 21-in. size, \$1.65.

BRAUN GRASS CATCHERS

For the Pennsylvania, Continental, Great American B. B. and New Departure Mowers.

10-in. ...\$1.50	14-in. ...\$1.80	15-in. ...\$1.90	19-in. ...\$2.10
12-in. ... 1.60	16-in. ... 1.90	17-in. ... 2.00	21-in. ... 2.25
		18-in. ... 2.00	

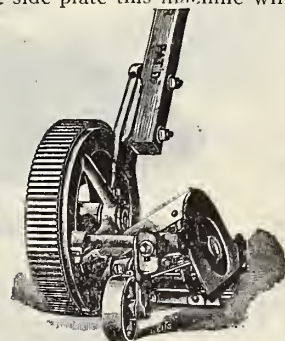
GRASS CATCHERS FOR REGAL MOWERS

14-in. ...\$1.60	16-in. ...\$1.70	18-in. ...\$1.80	20-in. ...\$1.90
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LAWN TRIMMERS

Pennsylvania Undercut Style (see cut). Owing to the conical shaped cylinder and bent side plate this machine will trim under fences and closer to walls or tombstones than any other machine now made, and will not scrape or smudge the object against which it is cutting. Ball bearing. \$7.50.

Coldwell Trimmer. This is an excellent machine for trimming around flower beds, shrubbery and walk edges. The revolving cutter is 6 inches wide, and cuts within ¼ inch of side obstruction. Price, \$5.00.



Pennsylvania Regular Lawn Trimmer, \$5.00.

Capitol Lawn Trimmer and Edger, \$6.00.

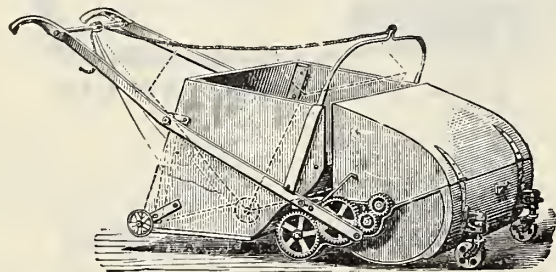
Coldwell Gem Trimming or Border Mowers for cutting grass on steep terraces, around flower beds, etc. 8-inch cut, \$5.00.



PENNA. LAWN CLEANER AND RAKE

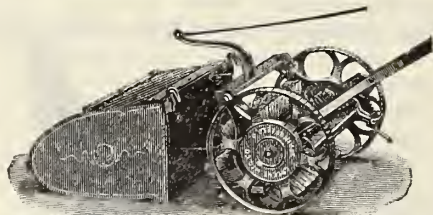
There is no equipment that can take the place of this indispensable apparatus; the name "comb and brush for the lawn" has often been applied to it. The flexible rake bars are of wood, with steel springs and teeth, they rotate just like a lawn mower cylinder and clean up every particle of leaves, mown grass, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity. This can be detached and emptied at will.

24 inch rake \$16.00
36 " " 25.00



PHILADELPHIA LAWN SWEEPER

A simple machine for cleaning the lawn. A driving roller gives motion to a revolving brush placed directly in front, causing it to sweep the sod clean and throw the sweepings backward from the top of the brush into a large box in the rear of the roller. The box can be dumped without stopping. Sweeps 40 inches wide. Price, \$80.00.



APOLLO LAWN CLEANERS

For sweeping lawns, paths, golf greens, tennis courts, etc., leaves them perfectly clean. For putting greens they are a great success. 28 inches wide, with rubber tires. Price, with rubber tires, \$18.00. We can supply these without rubber tires at \$1.50 less than price named, although we recommend the rubber tires.

HANSELL HORSE BOOT

Especially desirable for horses who land on their toes. Finished in black leather.

Plain, \$9.00 per set of four.

Steel Lined, 7 inches wide inside, \$10.50 per set of four.



"VELVETLAWN" SEEDERS

An excellent machine for properly sowing grass seed. It places it in the ground in close furrows, covers and rolls it at one operation. The result is an even, quick growth of grass. May also be used for distributing fertilizers. The horse machine is especially valuable for seeding large golf courses, pastures and lawns on private estates; for drilling in clover, alfalfa and similar seeds it works perfectly. Either machine is adapted to sowing either new lawns or old, but the problem of putting seed on old lawns and being sure it is properly covered so it will not blow away, but grow, is solved by these machines entirely. Any light horse handled by a boy can use the larger seeders, while an average man can handle the small machine.

Hand Machine, seeding 16-inch area, price \$15.00.

Horse Machines

	Price
1 horse, seeds 48-inch area, with drag chains.....	\$45.00
1 " " 48 " " " automatic press wheels..	55.00
2 " with drag chains	55.00
2 " with automatic press wheels	67.00

We guarantee these machines to give absolute satisfaction.

THE NEW CHAMPION SOD CUTTER

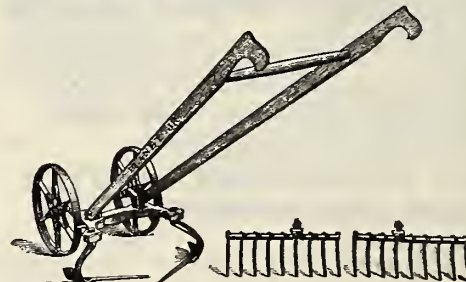


The best and most satisfactory machine on the market. Sod cutters are now used extensively where any great amount of cutting is to be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.

Price, \$23.00.

Extra Knives for Sod Cutters \$4.50

THE PLANET JR. BUNKER KEEPER



A Trap Weeder and Leveler for Golf Courses.

Price, \$8.00

This new member of the family has been brought out to meet the demands from the greens keepers of various golf courses for a tool with which to keep the sand in the bunkers free from weeds and in good condition. It is used at the speed of a moderate walk, a forward stroke being made at each step. Admirable as a wheel rake and leveler, finishing a strip thirty inches wide at each passage. It has been used extensively in England and Scotland and gave such excellent satisfaction that we now offer it here. A few were sold for the first last year in America and proved satisfactory in every respect.



LINK'S LAWN BOOT

Made of very heavy sole leather, waterproofed and finished black. The sole is substantially reinforced with steel rivets, which make the boot last twice as long as it ordinarily would.

No. 2-5½ inches inside.

No. 4-6½ " "

No. 6-7 " "

Price, per set of four, \$9.00.

Special Size Horse Boots made to order. Place the horse's feet on a blank paper, drawing a pencil around it to show size. Price usually not much more than for the ready made.

LAWN MOWER OIL

Pure oil that will not gum or get sticky is an essential for the satisfactory running of every mower. The oil sold by us has been selected with this point in view.

Prices: Per pint, 15c.; 25c. per quart; per ½ gal., 40c.; 75c. per gal.; 5 gals., \$3.00.

Lawn Mower Oil cannot be mailed.

OIL CANS

No.	
144, Zinc	.....\$0.20
13, Bronzed steel	.35
164, Brass	.... .40

EMERY

For sharpening Lawn Mowers. Price, 14c. per lb. (by mail, 30c.); 10 lbs., \$1.25.

**FLAT FILES**

For sharpening lawn mowers, etc.	
8 inch	.....\$0.20
10 inch	..... .25
12 inch	..... .30

**SCYTHES**

American, Little Giant, 32 inch	.....\$0.90
" " " 34 "	..... 1.00
" " " 36 "	..... 1.10

Little Giant Brush or Briar 1.00
The Little Giant is the best American-made scythe. It is excellent for field and heavy grass work.

English, 32 in., rivet back, Lawn Style	.....\$1.25
" 34 " " " "	..... 1.25
" 36 " " " "	..... 1.35
" 38 " " " "	..... 1.35
" 38 " solid " " "	..... 1.50

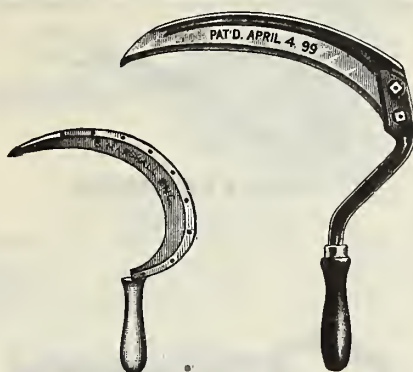
The English Scythes are best for fine grass or lawn work.

**SCYTHE STONES**

	Each	Doz.
Talacre, Imported (English)	.....\$0.15	\$1.70
Darby Creek	..... .10	1.10
Carborundum. Very fine quality	..... .25	2.50

**SCYTHE HANDLES, Etc.**

Made of hard wood, well finished.	
Regular Scythe style	.....\$0.75
Bush	..... .85
Snath Clips	..... .15

**SICKLES or GRASS HOOKS**

English	Little Giant
English Rivet Back, No. 3	.....\$0.60
" " " " 2	..... .50
" " " " 1	..... .50
" Solid " 2	..... .50
Dutch, small, " 1	..... .30
" large " 2	..... .35
Little Giant	..... .50
Village Smithy, solid steel	..... .50

The Little Giant sickle is collapsible, therefore convenient for carrying about.

LAWN BORDER SHEARS

Made of finest English steel. They take the place of edging knives, and avoid the necessity of doing much stooping.

Without wheel.	
No. 104, 8½ in.	..\$2.00
No. 104, 10 "	.. 2.50
With one wheel.	
No. 105, 8½ in.	..\$2.50
No. 105, 10 "	.. 3.00

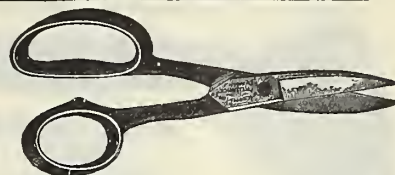
**LAWN BORDER SHEARS**

For trimming under shrubbery, fences and other out of the way places.

No. 1062, 8½ in. blade,	
long handle, \$2.50.	
Handles for Border Shears, \$1.00 per pair.	

**GRASS SHEARS**

No.	
3075, 6 inch, English	.....\$1.00
3075, 7 "	..... 1.25
119, 7½ " Saynor Pattern	.... 1.50
119, 7½ " "	..... 1.75
360, 6 " English	..... .75
361, 5½ " "	..... .60
263, 5½ " Trowel Shank	.... .50
268, 5½ " Extra Heavy	..... .60
273, American	..... .35

**WIRE AND TIN SHEARS**

8 inch, used for cut flower wire etc. .\$.75
10 inch, Berlin, used for heavy wire and tin 1.10

ENGLISH BOW SHEARS**Bow Scissor**

For cutting and trimming flower bushes and shrubbery.

No. 3790, 6 inch	..... 1.20
No. 3790, 7 "	..... 1.30

**CUT FLOWER GATHERER**

Cuts the stem and holds it without crushing. The heel of the blades cut thin wire. 6 inches long\$1.00

FLOWER SCISSORS

Cuts flower and holds the stem. Nicked, \$1.00

**GRAPE SCISSORS**

No. 3794, 6 inch	.....\$0.80
No. 3794, 6½ "	..... .90
No. 3794, 7 "	..... 1.00
No. 3794, 8 "	..... 1.10

**CROSS CUT LOG SAWS**

Great American style, of best steel.
One Man, 3½ ft. blade\$2.00
Two Man, 5 ft. blade 2.50

**CARPENTER SAWS**

When ordering state if rip or cross cut is wanted.
No. 8—26 inch blade\$1.85
No. 8—28 inch blade 2.00

**BUCK SAW**

Each . . . \$0.85

SAW-HORSE or WOOD BUCK

Each . . . \$0.60



HALF MOON HOES

Best steel, solid sockets, which will not pull out.

3-inch	.....\$0.35
4 " "	.....40
5 " "	.....45
6 " "	.....50
7 " "	.....55
8 " "	.....60



SQUARE HOES

6-inch, solid shank\$0.45
7 " " "50
8 " " "55

SQUARE CELERY HOES

10-inch\$0.80	14-inch\$1.25
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TWO-PRONG ONION HOE

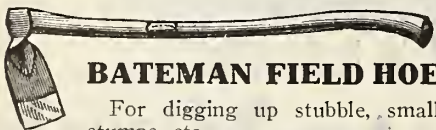
Will be found very valuable in weeding in narrow rows.
Price\$0.45



WARREN HOES

Excellent tools for making drills preparatory to sowing of seed. The back can be used for covering.

Small\$0.65	Large\$0.75
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BATEMAN FIELD HOE

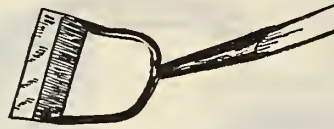
For digging up stubble, small stumps, etc.

5½-inch blade, each\$1.00
6½ " " "	.....1.15
8 " " "	.....1.30



TOMATO TRANSPLANTING HOE

Avoids kneeling when planting.
Made of best steel. Price, 50c



SCUFFLE HOES

Made of best English steel.

4-inch	.....\$0.50	7-inch	.....\$0.70
5-inch	.....55	8-inch	.....75
6-inch	.....65	10-inch	.....1.00



THE HILTON HOE

This is the best garden hoe for weeding ever offered. It works both ways and there is no lost motion, does very quick work. 8 inch blade.

Price70c.
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BRUSH OR BRIAR HOOK

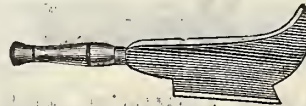
Steel cutting blade, long handle.

Price\$0.60
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STEEL HEDGE KNIVES

For cutting heavy brush, shrubbery, hedge, etc. Made of the finest steel with a slight hook on blade. Each \$1.00.



ENGLISH BILL HOOKS

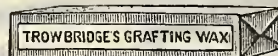
For trimming heavy shrubbery, trees, etc.

Short handle	.....\$1.25
Long handle	.....2.00



GRAFTING TOOL

Best English steel for grafting trees, etc.
With Wood Handle\$0.75
With Steel Handle60



GRAFTING WAX

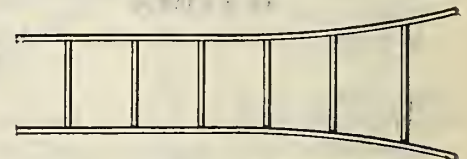
¼ lb., 10c.; 15c. ½ lb.; 1 lb., 25c.; \$1.10 per 5 lbs.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.



HORTICULTURAL KNIVES

No.	400.	Saynor Budding, 1 blade.	\$1.50
"	401.	" " 1 "	1.50
"	343.	" " 2 "	1.75
"	778B.	German " 1 "	.75
"	01859.	American Budding and Pruning, 2 blades	1.25
"	04993.	American Budding and Pruning, 2 blades	1.00
"	2852½.	American Budding, 1 blade	1.15
"	924.	English Pruner, 1 blade	1.15
"	928.	" (large)	1.50
"	1751.	American Pruner, 1 blade (See old No. 2651)	.60
"	1100.	American, 2 blade, stag handle	.50
"	727W.	German Budding, 2 blades	1.25

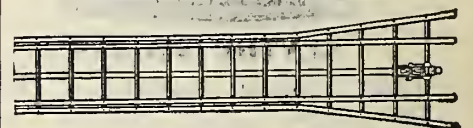


SINGLE PLANK LADDERS

Made of good hard wood, free from faulty knots; with perfect rounds.

10 ft.	.....\$1.80	16 ft.	.....\$2.80
12 ft.	.....2.15	18 ft.	.....3.10
14 ft.	.....2.45	20 ft.	.....3.40

Larger sizes at 17c. per foot.

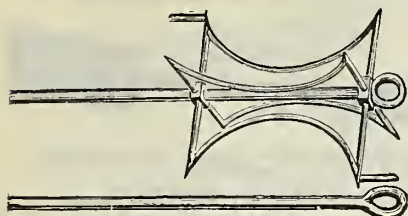


EXTENSION LADDERS

These are made in the best manner possible, are complete, being equipped with the necessary rope and pulleys.

16 ft.	.....\$4.80	26 ft.	.....\$7.80
18 ft.	.....5.40	28 ft.	.....8.40
20 ft.	.....6.00	30 ft.	.....9.00
22 ft.	.....6.60	32 ft.	.....9.60
24 ft.	.....7.20	34 ft.	.....10.20

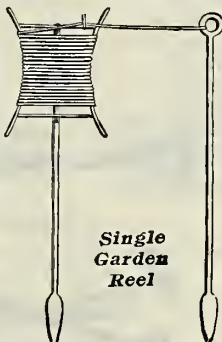
36 to 44 ft. size at 28c. per foot. Longer sizes at 40c. per foot.



Double Garden Reel

GARDEN REELS

Small, Single ..\$0.50
Medium, Single .75
Large, Single .. 1.35
Large, Double . 2.00



Single Garden Reel

GARDEN LINE

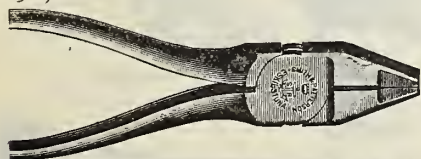
Best Italian hemp.
60 ft.\$0.40
90 "60
120 "80
300 " 1.60
100 " braided .. .75
Plow Line Cotton, 45-ft. hanks, 40c.



LIQUID MANURE DISTRIBUTER

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. All brass.

Price, \$1.75 each. (By mail postpaid, \$1.90.)

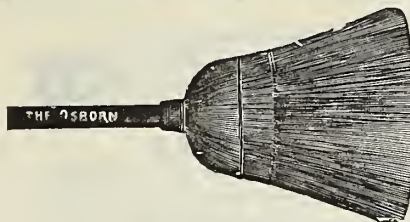
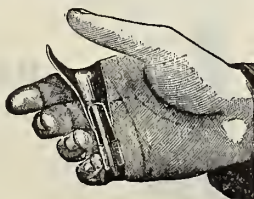


STEEL PLIERS

Side Cutting (see cut). 6 inch, 80c.; 7 inch, \$1.00.
Button Pliers. 7 inch, 60c.

HUSKING PINS

Made entirely of metal and can be adjusted to fit any sized hand. 15c. each; per doz., \$1.60.



BROOMS

Each Per Doz.
Japanese Fibre (see cut) ..\$0.60
Corn and Rattan, mixed .. .60
Golf Greens (birch)30 \$3.00
Plain Corn, extra quality .. .45



Rattan Broom

ROAD BRUSHES

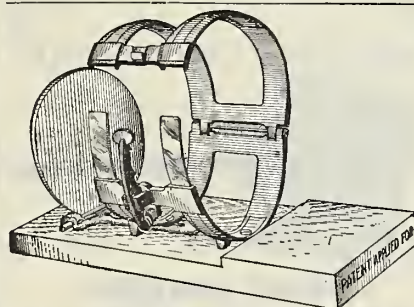
Rattan Push, 14 in. (see cut)\$0.75
" Sweeping60
Bass or Cocoa Push, 14 in.75

TREE OR BARK BRUSHES

For brushing down trees, for removing insects, borers, etc., made of steel.
Price, 8½-inch, 30c.

WHITEWASH BRUSH

Very best quality Clinton make. 7 in., each \$1.35.



ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform.

Price, with Knife Guard, \$1.75



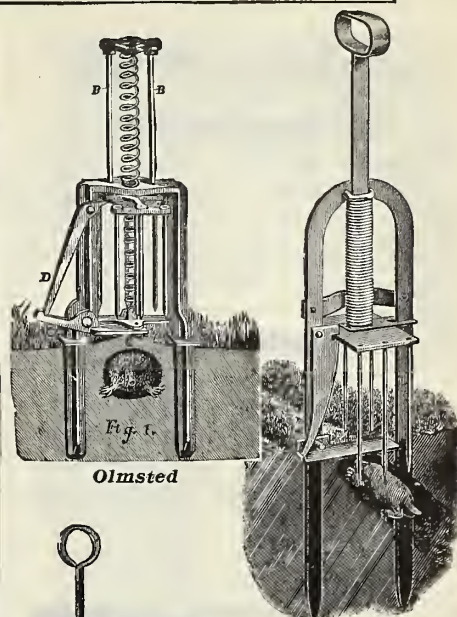
ASPARAGUS KNIVES

Bateman's (see cut)\$0.30
American. V-shaped blade45



CORN KNIFE

Eureka, bent blade\$0.45



Olmsted

Rittenhouse

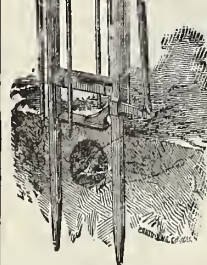
MOLE TRAPS

Each
English, for hot beds .. \$0.40
Olmsted 1.50
Rittenhouse. Easily set .75
Reddick 1.00

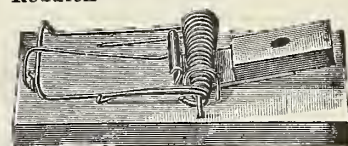
Complete Booklet on the Habits of the Mole mailed free, or included with each Mole Trap if asked for at time of ordering.

HOW TO CATCH MOLES

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening as moles usually stir about very early in the morning.



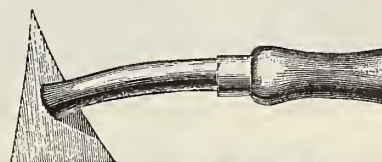
Reddick



Out-O-Sight Rat Trap

OUT-O-SIGHT TRAPS

The most satisfactory rat and mouse trap. Set off at the least vibration. Each Doz.
Mouse\$0.10 \$1.00
Rat25 2.50



TREE SCRAPERS

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. Price, short handled, 60c.; long handled, \$1.00.

**SPADING FORKS**

Strapped shanks, short or D-wood handle.
Made of best quality steel.

Men's, 4 tine	\$1.00
" 5 "	1.15
Boys' or Ladies', 4 tine .....	.60

**MANURE FORKS**

Strapped shanks, short or D-wood handle.
4 tine, light, 85c.; 4 tine, heavy, \$1.35;
5 tine, medium, \$1.25; 6 tine, medium,
\$1.35. Strapped shanks, long handle, 4 tine,
90c.; 5 tine, \$1.10.

**STEEL HAY FORKS**

Equipped with strapped shanks.

	2 Tine	3 Tine
5-ft. handles	\$0.80	\$0.90
6 " " .....	.90	1.00
7 " "	1.00	1.10

HICKORY STABLE FORKS

Excellent to use for tossing straw or
litter in stables. No danger of injuring
animals by sticking. Prices: 3 tine, long
handles, 85c.; 4 tine, long handles, \$1.00.

**MANURE
DRAGS**

For manure, potatoes,
etc. 4 tine, flat, 60c.;
6 tine, flat, 80c.

**IMPLEMENT HANDLES**

	Each
Axe	\$0.20
Spade, plain .....	.35
Fork Spading, plain .....	.35
" Manure " short .....	.35
" " " long .....	.25
" Hay " .....	.20
" Boys' " .....	.25
Shovel, short " .....	.35
" long " .....	.25
Spade, short " .....	.35
" long " .....	.25
Hoe " .....	.10
Rake, Garden " .....	.10
" Lawn " .....	.10
Pick or Mattock " .....	.25
12 foot Poles .....	.45
14 " " .....	.80
16 " "	1.00

**SHOVELS**

We handle only the very best makes
of steel shovels. Every one is guaran-
teed to give entire satisfaction.

Short Handle

Ames, round point	\$1.25
" square point	1.25
Maynard, solid socket, square point	1.40
" " round "	1.40
Imperial, round point	1.00
" square point .....	.90

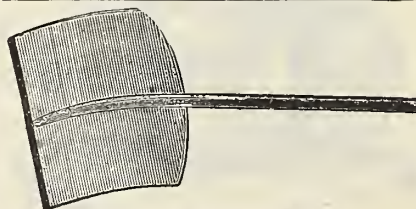
**SHOVELS Long Handle**

Ames, round point	\$1.25
Imperial, round point	1.10
" square point	1.10
Featherweight, 4 1/4 lbs., round point	1.25
Maynard	1.40

**STEEL SCOOP SHOVELS**

All equipped with strapped shanks,
wood D or short handles.

No. 2, 10 inch mouth	\$0.90
" 3, 11 " "	1.00
" 4, 11 1/2 " "	1.10
" 5, 12 " "	1.15
" 6, 13 " "	1.20

**SNOW SHOVELS**

Adams, wood (see cut), wood-D handles	\$0.60
Phillips, wood, long handle .....	.50

**POTATO SCOOP**

Wire, made of heavy steel wire
very substantial

\$1.75

**STEEL CLAW HAMMERS**

Price, 60c. each.



Maynard Spade—One Piece Socket
and Spade

STEEL SPADES

Ames	\$1.25
Maynard	1.40
Imperial	1.00
Long Handle	1.00
Nursery	1.75
Drain	1.35
Boys' .....	.85
English Turf	4.00



Drain Spade

**GARDEN SETS**

For ladies and children, in fact they are
suitable for the country gentleman, con-
sisting of 1 hoe, 1 rake and 1 spade. Large
size per set, \$1.00. Small size, 50c.

No. 275. Turf Iron. English, for sod-
lifting, \$4.00 each.

**MEHLER'S HANDY
GARDENER**

An entirely distinct tool 5 1/2 in.
wide with a special handle 4 1/2 ft.
long; entire weight 2 lbs.

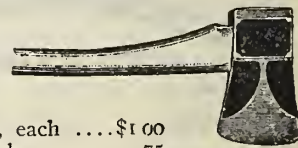
Note the special arrangement
of the 5 teeth, which allows culti-
vation closer to the plant than any
other device, and at the same time
on three sides at one stroke; you
being in a comfortable standing
position.

No hoe is needed where this
tool is used; just the thing for
working among flowers and
young vegetable plants. Send
for descriptive
circular.

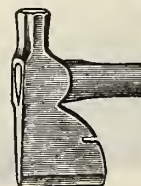
Price, 85c.

**BEST
QUALITY
AXES**

Kelly, medium, each	\$1.00
Kelly, boy's each .....	.75

**HATCHETS**

Blue Jeans, medium..	\$0.65
F. R. Plumb, heavy...	.70





STEEL GARDEN RAKES

Made of best cast steel, with long teeth for penetrating the ground.

5 tooth	\$0.35	12 tooth	\$0.55
6 " .....	.45	14 " .....	.60
8 " .....	.45	16 " .....	.65
10 " .....	.50		



STEEL GRAVEL RAKES

These rakes are used for road-raking and for paths. Having very short teeth they do not gather up stones or gravel.

12 tooth	\$0.55	16 tooth	\$0.65
14 " .....	.60	18 " .....	.70
20 tooth	\$0.80		



STEEL BOW RAKES

Preferred by many to the regular garden rake. The teeth are slightly bent toward the operator.

11 tooth	\$0.60	13 tooth	\$0.65
15 tooth	\$0.70		



GIBBS OR LAWN QUEEN RAKE

Made of heavy tinned steel wire. These are excellent for lawn or walk work. The rake is reversible and will answer several purposes.

24 tooth	\$0.50	36 tooth	\$0.75
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AMES WOODEN RAKES

14 tooth with wood bows.	For hay, etc.	\$0.55
24 " " " "	" lawns	.70
24 " " steel " "	" "	.80



WOODEN HAY AND LAWN RAKES

Made of best material, braced with wire rods.

14 tooth, oak, all wood	Each, \$0.50
14 " hay, wire braced .....	.30
20 " field, wire braced .....	.35



OLE OLSEN LAWN RAKES

This rake head is slightly curved from the centre to each end which does not allow any material that has been caught by the teeth to slip around the edges.

26 tooth, hickory wood. Price, 50c.



DAISY RAKE

For removing dandelion and other obnoxious growth from lawns and fields. Made of finest English steel.

16 tooth	\$3.00	20 tooth	\$3.50
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LAWN KING RAKES

Made of best hard wood, thoroughly braced with iron. The most excellent wooden lawn rake in the market.

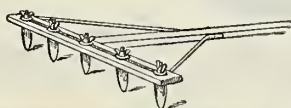
22 tooth	\$0.30	38 tooth	\$0.75
26 tooth ....	.50	50 tooth	1.00



AUTOMATIC LAWN RAKE

This rake is fitted with an unloading head. While raking this head lies forward, and upon pressing the rake forward the unloading head moves backward cleaning out the raking head entirely.

22 tooth	\$0.50	38 tooth	\$0.90
26 tooth .....	.60	50 tooth	1.35



MARKING RAKES

These are for marking out garden rows; adjustable brass teeth, which are set for any width row desired up to 4 1/2 ft. Price, \$5.50. (Extra teeth, 50c each.)

HOE AND RAKE (COMBINED)

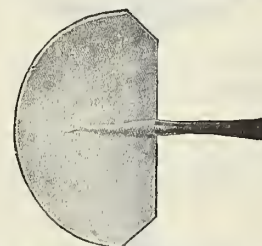
An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

4-prong	\$0.50
6 " .....	.60



LAWN SHOVEL AND EDGER

The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.00 each.



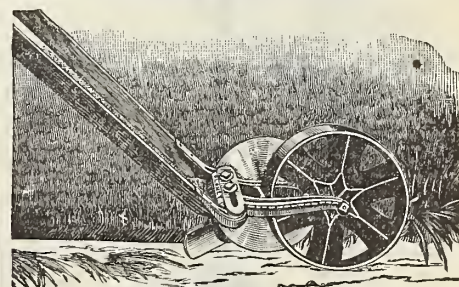
EDGING KNIVES (with handles)

For trimming edges of paths, etc.

Mehler Edging Tool	\$1.00
American .....	.60
English, 8 inch	1.50
English, 9 inch	1.75
McNiece make, 8 inch	1.00
McNiece make, 9 inch	1.10

MEHLER'S COMBINATION

Hoe, cultivator and soil pulverizer combined. Just the thing for celery culture, \$1.15.



PLANET JR. GRASS EDGER

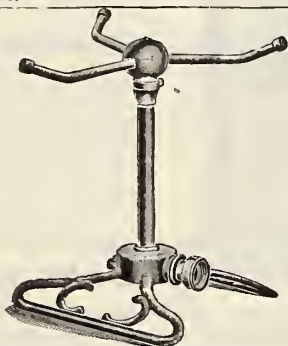
The Planet Jr. Grass Edger will edge either straight or curved work, paths, drives, open borders or flower beds, doing the work well and rapidly. Price, \$5.75

LAWN SPRINKLERS



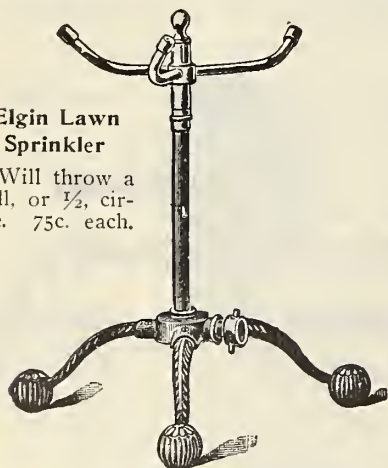
Ring or Fountain Sprinkler

All brass, large, 75c.; Small or Baby style, 50c.



Pluvius Sprinkler

11 inches high\$1.25



Elgin Lawn Sprinkler

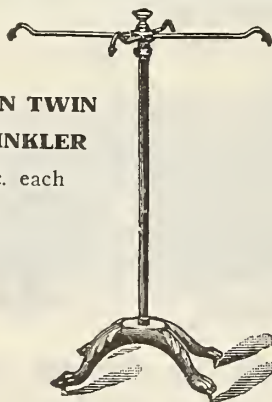
Will throw a full, or 1/2, circle. 75c. each.

Aetna Sprinkler

24 inches high\$1.75

LAWN TWIN
SPRINKLER

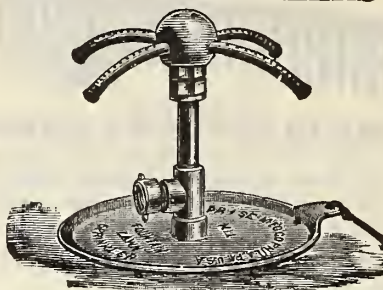
50c. each



Peck Sprinkler

4-arm, 40 inches high (see cut).... \$3.25
8 " 40 " " " 3.75

LAWN SPRINKLERS



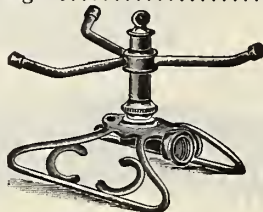
Enterprise Sprinkler

No. 1 (see cut), 8 in. high\$3.75
No. 2 8 in. high 3.00



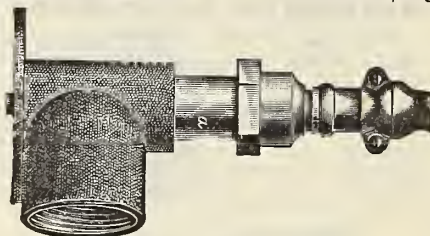
Mayflower Sprinkler

9 1/2 in. high\$1.00



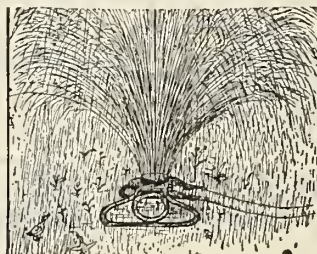
Preston Sprinkler

5 1/2 in. high\$1.25



Waterwitch Sprinkler

This make is equipped with a pin for sticking into the ground. 8 3/4 in. ..\$0.50

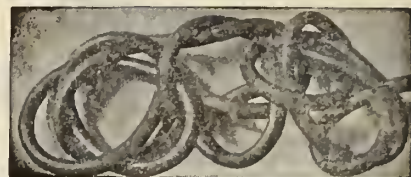


The Victor Sprinkler

3 1/2 inches high\$0.75

RUBBER APRONS

For protecting the clothing while watering or doing any work in the garden where your clothes could become soiled. Price, \$1.75.



RUBBER HOSE

Michell's Rubber Hose is noted for its reliability in every way. We buy from the manufacturer in enormous quantities.

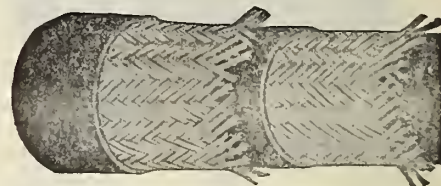
	Per foot
Metallic Wrapped, 3/4-inch	\$0.25
Standard, 3/4-inch, 4-ply .....	.12
Reliable, 3/4-inch, 3-ply .....	.14
" 1-inch, 3-ply .....	.22
" 3/4-in., 4-ply .....	.17
" 1-inch, 4-ply .....	.27 1/2
" 1/2-inch, 5-ply .....	.13
*Any Length .....	.16 1/2
*Electric, 3/4-inch .....	.18 1/4
*Electric, 1/2-inch .....	.16 1/2
*Revero, 3/4-inch .....	.18
*Revero, 1/2-inch .....	.16
Bull Dog, 3/4-inch, 7-ply .....	.16 1/2
Spray Pump Hose, 3/8-inch .....	.12

P.S.—Brands marked * come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 15c. per pair for couplings.

Hose Washers. For inside and outside of couplings. 8c. doz.; 1/4 lb., 30c.

Hose Protectors. 30c. each; doz., \$3.00.



Showing the interior of Michell's
"Any Length Hose"

HOSE REELS—
WIRT'S (All Iron)

No.	Capacity	Price
10	100 ft.	\$2.75
20	150 ft.	3.25
30	300 ft.	5.00

DUKE HOSE REEL
(Wood)

Capacity	Price
75 feet hose	\$0.75



Wirt's Reel

NOZZLE HOLDERS

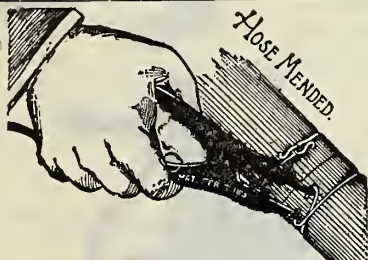
For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 15c.





HOSE MENDERS

	Each	Doz.
Cooper's— $\frac{3}{4}$ -inch	\$0.10	\$1.00
"— $\frac{1}{2}$ -inch	.10	1.00
Jones'— $\frac{3}{4}$ -inch (iron)	.05	.50
Hudson's— $\frac{3}{4}$ -inch (brass)	.04	.42
"— $\frac{1}{2}$ "	.04	.42



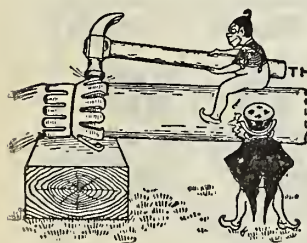
HOSE MENDING OUTFIT

(For $\frac{3}{4}$ -inch Hose)

Furnishes a complete outfit, consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands.

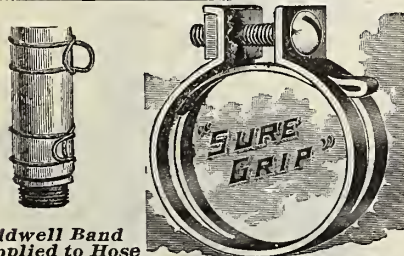
Price: Each, 65c.; by mail, 75c.

THE PERFECT HOSE MENDER



Made entirely of brass, with swivel motion—no band required.

For $\frac{3}{4}$ inch hose, 10c each; doz. \$1.00.



Caldwell Band
applied to Hose

HOSE BANDS

For fastening couplings and menders in hose.

No.	CALDWELL'S	Doz.	100
8—For 3-ply hose	\$0.18	\$1.00	
6—For 4-ply hose	.18	1.00	

HUDSON'S

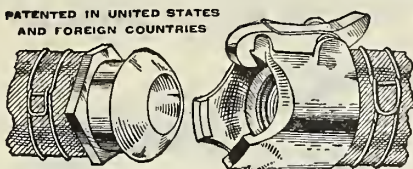
See illustration in Hudson Hose Mender Outfit cut.

$\frac{3}{4}$ -inch	\$0.18	\$1.00
$\frac{1}{2}$ -inch	.20	1.25

SURE GRIP

$\frac{3}{4}$ -inch, 5c. each; per doz., 50c.

PATENTED IN UNITED STATES
AND FOREIGN COUNTRIES



SNAP HOSE COUPLING

Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 25c. per pair; doz. pairs, \$2.75.

SNAP COUPLING PARTS

No. 2—Male (see left hand illustration above). 8c. each; per doz., 85c.
No. 1—Female (see right hand illustration above). 17c. each; per doz., \$1.90.



BRASS HOSE COUPLINGS

	Per pair	Doz. pairs
$\frac{3}{4}$ -inch	\$0.15	\$1.60
1 "	.35	4.00

HOSE REDUCERS

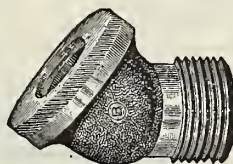


For reducing 1-in. pipe to fit regular $\frac{3}{4}$ -in. hose. All brass. Each30c.

Royal Hydrant Attachment

To be used for attaching hose to smooth faucets.

Price, 30c.



PLAIN STREAM NOZZLES

For $\frac{3}{4}$ -inch hose, each ...25c., 30c., 35c.

BOSTON SPRAY NOZZLE



These render the same service as does the rose of a watering can. They are screwed on the end of the hose like any other nozzle. Coarse and fine, $\frac{3}{4}$ -inch.

Light Copper	\$0.60
Heavy Brass	1.00

BOSS HOSE NOZZLES

For $\frac{3}{4}$ -inch hose.
Price, 45c. each.



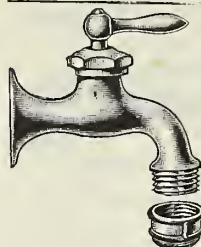
GEM HOSE NOZZLE



$\frac{3}{4}$ -inch hose. Can be regulated to give three different streams. Price, 35c.

PLIERS FOR HOSE BANDS

Caldwell25c. | Hudson25c



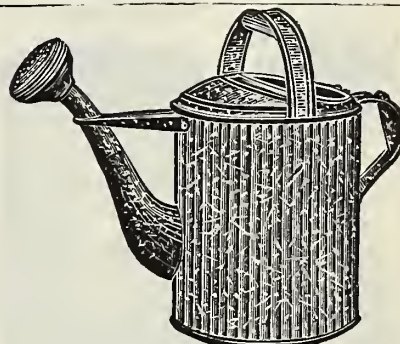
Showing a No. 3
Acme Hose Coupling
part attached
to Spigot

ACME COUPLINGS

No. 3 part, for attaching to spigot. 15c. each, doz. \$1.50.

No. 4 part, for attaching to hose. This part is equipped with a small snap lever.

No. 4 parts, 25c. each, doz. \$2.50. Couplings complete, consisting of one No. 3 and one No. 4 part, 35c. each; per doz., \$3.75.



GALVANIZED WATER CANS

Fine for cemetery purposes and other places where a can is desired to last several seasons.

4 quart	Each, \$0.35
6 "	.45
8 "	.55
10 "	.60
12 "	.70
16 "	1.00
20 "	1.25

LIGHT TIN WATER CANS

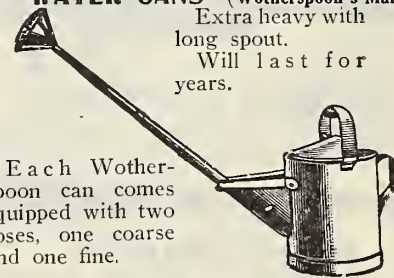
1 quart, painted green	Each, \$0.25
2 "	.30
4 "	.35

ENGLISH WATERING CANS

No. 2, 4 qt. ... \$2.00	No. 3, 6 qt. ... \$2.25
No. 4, 8 qt. ... 2.50	No. 5, 10 qt. ... 2.75

WATER CANS (Wotherspoon's Make)

Extra heavy with long spout.
Will last for years.

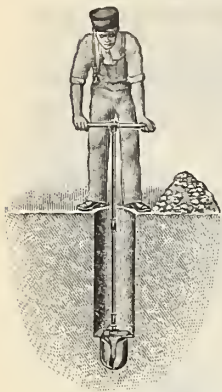


Each Wotherspoon can comes equipped with two roses, one coarse and one fine.

	Round	Oval
2 quart (equipped with one rose only)	\$1.15	
4 "	1.60	
6 "	1.85	\$2.10
8 "	2.00	2.35
10 "	2.25	2.60
12 "	2.60	2.85
16 "	3.15	3.50
12 qt. Manure Watering Can	\$2.75	
4 qt. Fern or Low Watering Can	1.50	

EXTRA ROSES OR SPRAYS

For Wotherspoon Watering Can, either coarse or fine, 35c. each.



No. 8 POSTHOLE DIGGER

(See Cut)

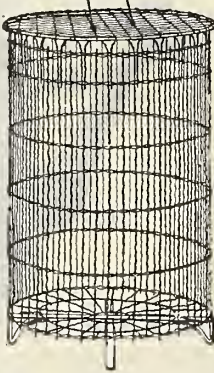
This is really an earth auger, bores a hole $3\frac{1}{2}$ ft. deep and can be adjusted in diameter from 8 to 14 inches. It can be emptied instantly, it is made of the finest steel and a man with one of these can do 3 times as much work as with an ordinary digger. \$3.25.

No. 15 Eureka Posthole Diggers, \$1.

CYCLONE RUBBISH CONSUMERS

Made of heavy galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property. Will last a lifetime.

No.	Diam.	High	Price
1,	20 in. x 30 in.,		\$2 50
2,	17 in. x 25 in.,		1 75
3,	14 in. x 21 in.,		1 50
4,	12 in. x 18 in.,		1 25



PICKS (Price includes handle)

All steel. Double point, 80c.; axe point, 90c.



MATTOCKS (Price includes handle)

Axe pointed (see cut) \$1.00
 Pick pointed 1.00
 Half Mattocks or Grub Hoes85



MONKEY WRENCHES

For machinery. Made of first quality hard steel. 8-inch, 60c.; 10-inch steel, 75c.



SCREW DRIVERS

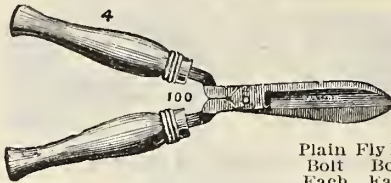
No. 23—Champion, 4 inch blade.....\$0.25
 No. 23—Champion, 6 inch blade..... .35
 No. 23—Champion, 8 inch blade..... .45

SACK TRUCK

These are handy around the barn for moving bags, barrels, etc. \$3.50 each.

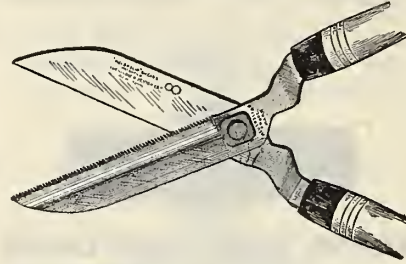


ENGLISH HEDGE SHEARS



	Plain Bolt Each	Fly Nut Bolt Each
107—5½ inch, Ladies'	\$1.00	
101—8 "	1.50	\$2.00
101—9 "	1.75	2.25
101—10 "	2.00	2.50
101—12 "	2.50	

Handles for Hedge Shears, 50c. per pair.



HEDGE SHEARS (Neverslip)

As may be seen by the illustration these shears have a saw edge on one blade which prevents them from slipping when cutting, made of the best quality English steel.

8-in. ..\$1.80 | 9-in. ..\$2.25 | 10-in. ..\$2.50

UNIQUE HEDGE TRIMMER

A practical tool for trimming the summer growth of hedge. It works like a charm, and leaves the hedge in better shape than you could with any other shear and does the work in $\frac{1}{4}$ the time. Guaranteed satisfactory; cut 16-inch swath (see page 117). Price, \$5.00.



BALL'S IMPROVED POLE AND POST PULLER

An exceedingly practical device, designed especially for pulling up lima bean poles

or any other posts, not over 3 inches in diameter. Made entirely of metal, cannot break or get out of order. Must be seen to be appreciated. Price, \$3.00

ROAD SCOOPS

For dragging soil from one place to the other, grading, etc.

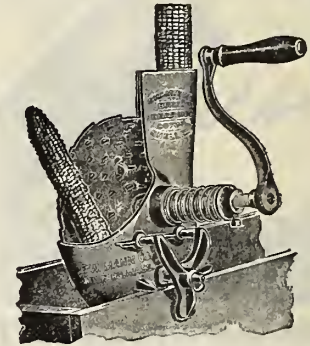
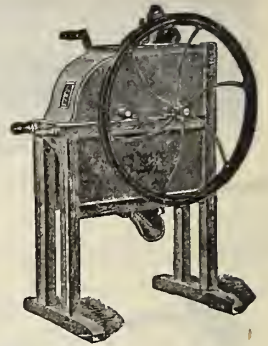
1L. 7-ft. capacity ..	\$6.50
2L. 5-ft. " ..	6.00
3L. 3-ft. " ..	5.75



PENNSYLVANIA CORN SHELLER

Will be found useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out at another.

Price, \$7.00



MANN'S CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing, suitable for fastening to a bench, box, etc. Price, \$2.00.

BLACK HAWK CORN SHELLER

For shelling small quantities of corn. \$2.00 each.



Black Hawk

Grist Mill

For grinding grain such as wheat, corn, oats, poultry feeds, etc. \$3.00 each.



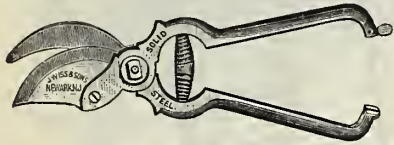
GEM SPRINKLING CART

For carting water or for sprinkling drives, walks, etc. Will sprinkle an area 18 feet wide; 150 gallons capacity; 4-inch tire wheels. Price, \$85.00.

All prices subject to market changes

PRUNING SHEARS, ETC.

Our pruning shears are procured from the most reliable makers in America and Europe and but 03 are fully guaranteed in every particular.

**No. Wiss Pruning Shears**

109	Wiss, 8 in.	\$2.00
190	Henckle, 7½ in.	1.25
200	" 8½ in.	1.50
210	" 9½ in.	1.75

Searight (Compound) 1.75

Rhodes Double Cut, 8½ inch..... 1.75

The Henckle patterns are equipped with a ratchet nut which takes up all wear.

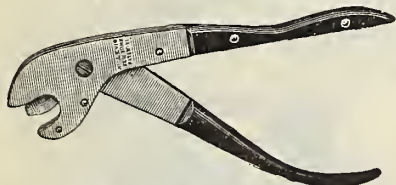


88	Hessenbruch, 8 in.	\$1.10
1537	German, 8 in.	.65
03	American, 8 in.	.40
23	Ladies' nicked, 4½ in.	.80
23	" " 5½ in.	.90
23	" " 6½ in.	1.10

**FRENCH PRUNING SHEARS**

These have a distinct, very easy working, spring and are especially desirable for one whose hand is liable to fatigue when pruning.

French, small, 7 inch	\$1.25
" large, 8½ inch	1.50

**LEVIN PRUNER**

On account of its peculiar construction, the handle of this shear affords a great deal of leverage, which makes very easy cutting possible. Price, 70c.

Spiral Springs for Pruning Shears. 10c. each; per doz., \$1.10.

Springs for French Pruning Shear. 25c.

LEATHER PRUNING GLOVES

Buckskin, pair	\$1.75
Ordinary, pair	1.50
Buckskin, with gauntlets, pair	2.00

FLY NUTS

For Hedge Shears, 30c. each.

The Fly Nut feature of a hedge shear enables the wear to be taken up instantly by merely tightening the same.

**TREE PRUNERS**

Disston's Pole Pruner



Pruner and Saw

Disston's Little Giant. (See cut) \$1 10
Disston's Little Giant. With saw attachment. (See cut) 1.50

**TELEGRAPH TREE PRUNER**

Price, \$1.00.

HESSENBRUCH TREE PRUNER

No.	Price
5340	\$1.25
1820	2.50
1806	1.75
1805	.75

**WATERS TREE PRUNERS**

With removable cutting blade and pole complete.

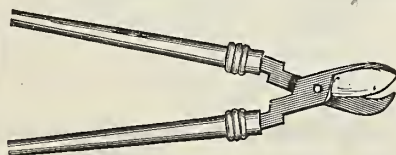
4 feet	\$0.75
6 "	.85
8 "	1.00
10 "	1.15
12 "	1.25
14 "	1.50

Extra Blades for Waters Pruners, 25c. each.

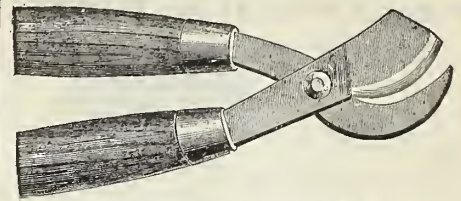
None of the above Tree Pruners except the Waters are equipped with poles or rope.

POLES for Tree Pruners.

12 feet long, 1¼ inches diameter..	\$0.45
14 " 1½ " " "	.80
16 " 1½ " " "	1.00

**SAYNOR LOPPING SHEARS**

For tree and heavy hedge pruning. Made of the finest English steel, \$3.50 each.

**LOPPING SHEARS**

These are used in trimming trees and for cutting heavy hedge that the regular hedge shear will not cut.

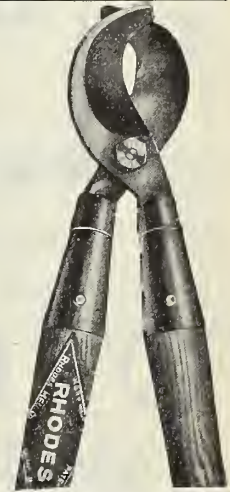
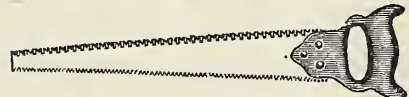
Rockdale Style. See cut \$1.00
Searight Style. Has a tremendous leverage, which means easy cutting; made of the finest American steel.. 2.00

RHODES LOPPING SHEAR

For trimming trees, bushes, heavy shrubbery, etc.

Makes an absolutely clean, perfect cut, the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating Lopping Shears ever made or sold. 24-inch handles.

Price, \$2.50

**DISSTON PRUNING SAWS**

18 inch Duplex (double edge).....	\$0.85
20 " " " " " " " " " " " "	1.15
16 " Single edge .....	.70
18 " " " " " " " " " " " "	.80
20 " " " " " " " " " " " "	1.00
22 " " " " " " " " " " " "	1.25

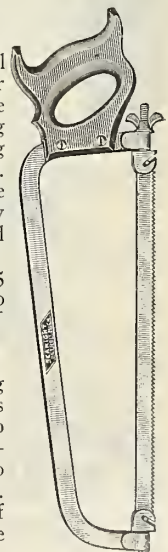
SEARIGHT TREE PRUNER No. 3

Equipped with forged steel hook and blade. The lever handle is connected to the blade by a rod and the spring always throws the cutting part open to receive a limb. This is the very best tree pruner made, and is actually worth double the price asked for it.

8 ft. ..	\$1.40	12 ft. ..	\$1.75
10 ft. ..	1.60	14 ft. ..	2.00

ADJUSTABLE PRUNING SAW

The ideal tool for working with in trees. The blade is held in position by a thumb screw, which can be tightened or loosened at will to change the angle of the saw. This avoids the necessity of twisting the body or the arm. The blade is of the finest steel, 18 in. long, \$1.00.



PEERLESS GLAZING POINTS

Made of zinc, can be used on right or left hand side of sash bar, 3 sizes.

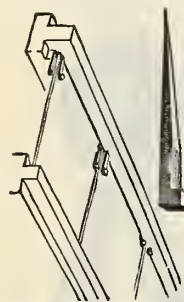
No. 1 for single thick glass.

No. 2 for single thick glass.

No. 2½ for double thick glass.

Price, 60c. per 1000 (by mail, 76c.).

Pincers. For driving Peerless Points, 50c. per pair.



SIEBERT'S ZINC GLAZING POINT

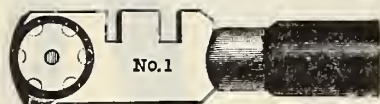
5/8 and 7/8 inches long. 40c. per lb.; 10 lbs., \$3.75.

There are between 1000 and 1200 points in a lb. of the above.

Naumann's Brass Glazing Points. 85c. per 1000 (by mail, \$1.10).

Zinc Glazing Nails. 20c. per lb.; 10 lbs. \$1.85.

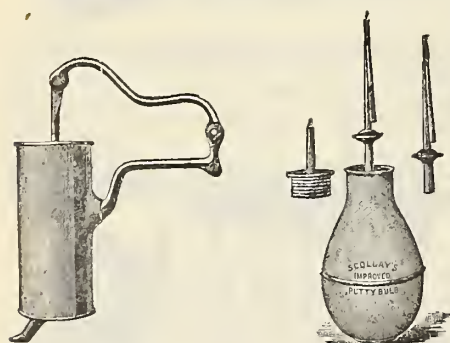
Siebert's Glazing Point



6-Wheel Glass Cutter

GLASS CUTTERS

Single Wheel, steel, each.....	\$0.15
6-Wheel, steel, each.....	.35
Diamond (ebony handle)	3.00
" (cocoa handle), extra large diamond	4.00



Mastica Machine

Putty Distributor

PUTTY BULBS

For distributing putty, mastica, and similar materials.

Price \$1.00

MASTICA

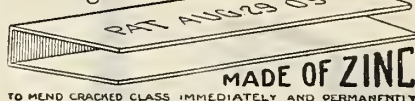
For glazing greenhouses, new or old. One gallon will cover about 300 running feet.

½ gallon	\$0.75
1 "	1.35
5 "	6.50

MASTICA MACHINE

For distributing mastica, etc. Made of zinc and will last a lifetime. \$1.25.

PEERLESS REPAIR CLAMP



TO MEND CRACKED GLASS IMMEDIATELY AND PERMANENTLY

GLASS CLAMPS

For supporting broken lights of glass. Per box of 100 \$1.10

TWEMLOW'S PUTTY

Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

PRICES

16-lb. can (1 gal.)	\$1.50
50 lbs. (3 gals.)	4.50
80 lbs. (5 gals.)	7.25

HAMMOND'S GREENHOUSE WHITE

A superior white paint. 1 gal., \$1.90.

GRINDSTONES



Cleveland Grindstone

No. 2 Cleveland, 22 inches diam., \$4.50.

No. 3 Cleveland, 19 inches diam., \$4.00.

Bi-Treadle, complete with seat and pedals, \$5.50.

The above prices do not include water cups.

MARATHON TOOL GRINDERS

The important point in hand grinding is the power, and from whence it comes. By a combination of cut spur gears and steel cut pinions arranged as we have in the "MARATHON,"

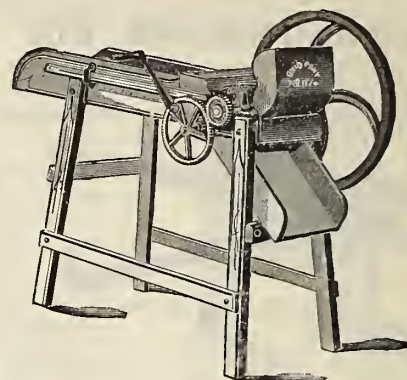
we obtain a very high speed (the stone travels over five thousand feet a minute) something unheard of before in hand grinding machines. This insures the quickest cutting results from the corundum stone with minimum wear.

No. 1, wheel ¾ x 5 inches.....	\$4.50
" 2, wheel 1 x 5 inches.....	5.50
" 3, wheel 1 x 6 inches.....	6.50
" 4, wheel 1 x 7 inches.....	7.50

If treadle is wanted, add \$1.50 to the above prices.



See Page 31 for BALL'S IMPROVED PLANT FORCER. A most wonderful invention for the garden.



OHIO HAY AND FEED CUTTER

This is considered the finest machine in the market for cutting hay, ensilage, etc. Single knife, \$12.50; double knife, \$18.00. Mann's Clover Cutter for poultry raisers' use. Plain, \$8.00; on stand, \$10.00.

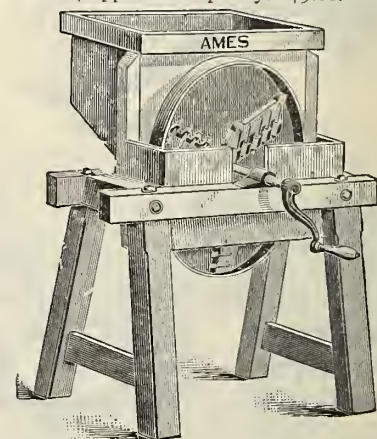


BANNER ROOT CUTTERS

No. 7 (see cut), for poultry, sheep and lambs. \$5.00.

No. 16, for cattle, horses, etc. Has a large capacity and is equipped with a pulley for power purposes. \$12.00.

No. 20, similar to the No. 16, but smaller and not equipped with pulley. \$9.00.



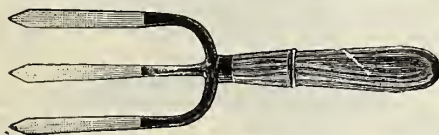
AMES ROOT CUTTER

The knives are fastened on a revolving disc, and the roots come out in long thin strips. The hopper holds about 2 bu. of material. Nicely painted dark green. Price, \$12.00.

**LANG'S
HAND
WEEDER**HANDIEST
TOOL

ON EARTH.

Lang's Hand Weeder, 25 Cents



Eureka Weeding Fork, 25 Cents

ENGLISH WEEDING FORK

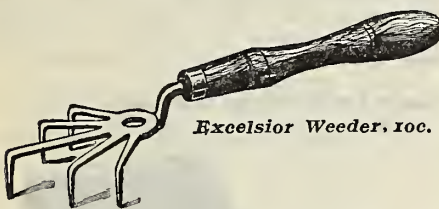
Very similar to the Eureka, except that it is heavier and of better quality. If you want a weeding fork that will last a lifetime, buy this one. Price, 85c.



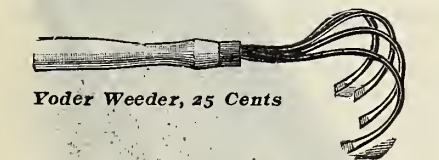
Excelsior Weeding Fork, 10 Cents



Eureka Weeder, 25 Cents



Excelsior Weeder, 10c.



Yoder Weeder, 25 Cents



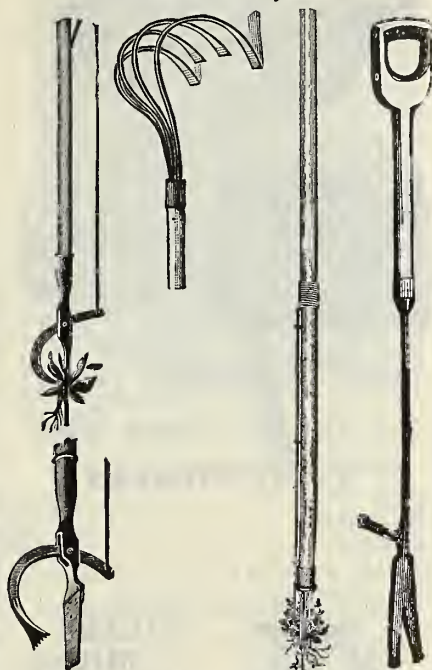
Hazeltine's Hand Weeder, 25 Cents



Long Handle English Steel Weeder, 50c

MEHLER COMBINATION TOOL

A hoe, rake and edger, all in one; has been thoroughly tried and found successful. \$1.15 each.

WEEDERS, Etc.

No. 1 No. 2 No. 3 No. 4

No. 1 Cleveland Weed Puller\$0.60
No. 2 Yoder Long Handled Weeder .75
No. 3 Champion Weed Puller50
No. 4 Heavy Dock Lifter 2.00

**IDEAL
DANDELION
EXTRACTOR**

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade of the best steel, equipped with a convenient handle, so that either man, woman or child can use it; 25c. each.

**ALCA GARDEN TOOL**

This implement combines a trowel, a weeder and a dibble or planter, all in one. Interchangeable instantly. It is thoroughly made and represents unusual value. Just the thing for a city garden. 50c. each, postpaid 60c.

**JOHNSON STEEL TROWELS**

These are made of one piece steel blade and shank, equal to the imported trowels.
5 inch\$0.40 | 7 inch\$0.60
6 inch50 | 8 inch70

**STEEL SHANK TROWEL**

Many prefer these as they are somewhat longer in blade and handle, making a very practical tool. 6 in. blade. One of them will last a lifetime. 60c. each.

**CLEVES' ANGLE TROWEL**

For getting dandelion, plantain and other weeds out of the lawn, etc.

5 in. ..\$0.15 | 7 in. ..\$0.20 | 8 in. ..\$0.25

MISCELLANEOUS TROWELS

No. 213-5 in., Thin Steel, each.....\$0.10
No. 213-6 in., Thin Steel, each..... .12
No. 213-6 in., Heavy Steel (Never-break)15

**TRANSPLANTING
TROWEL**

Solid steel shank and blade.
Price \$0.40

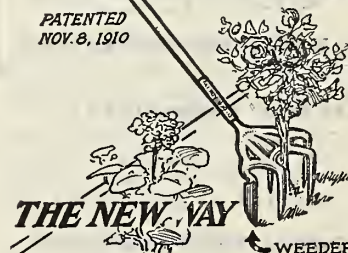
**LONG HANDLED ENGLISH TROWEL**

Just the thing that prevents kinks in the back. 40c. each.

MEHLER GARDENER

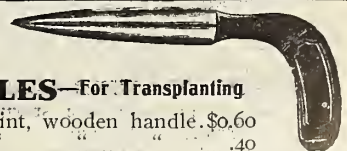
An entirely distinct tool, avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used, just the thing for working among flower and vegetable plants. 75c. each.

PATENTED
NOV. 8, 1910



THE NEW WAY

WEEDER BLADE

**DIBBLES—For Transplanting**

Brass Point, wooden handle. \$0.60
Iron " " .40

All prices subject to market changes

**ROOFING PAPER, ETC.**

	Sq. ft. per roll	Per roll
Celery Paper	500	1.15
\$5.25 for five rolls.		
Neponset Red Rope	500	5.50
" " "	250	2.75
" " "	100	1.25
Black Siding	250	1.25
" " "	500	2.50
Tar or Pitch, 2-ply	100	.80
" " 3-ply	100	1.10
Paroid, 1-ply	108	2.50
" 2-ply	108	3.25
" 3-ply	108	4.00
Caps for tar paper. 1 lb., 8c.; 5 lbs., 35c.		
Nails for tar paper. 1 lb., 8c.; 5 lbs., 35c.		

SUNDRIES

Carnation Bands (Rubber). For mending bursted calyx. 30c. per oz.; ¼ lb., \$1.00.

Carnation Staples (Wire). 60c. per 1000.

Charcoal, Lump. For use in potting. Pk., 25c.; bu., 75c.; bbl., \$1.75.

Glass Cleaner. \$1.10 gal.; 5 gals., \$5.00.

Grafting Wax. ¼ lb., 10c.; ½ lb., 15c.; 25c. lb.; 5 lbs., \$1.10.

Moss, Green Lump. Pk., 35c.; bu., 75c.; bbl. bag., \$1.75. Green Sheet: Pk., 50c.; bu., \$1.25; bbl. bag., \$3.50. Sphagnum (dry). Barrel size bales, \$1.00; pk., 20c.; bu., 50c.; 5 bbl. bales, \$2.50. Sphagnum (live). Pk., 25c.; bu., 85c.; bbl., \$1.75.

Pebbles. Per qt., 8c.; pk., 40c.; bu., \$1.25; bbl., \$2.50.

Peat or Leaf Mould. Five barrels, \$6.25; pk., 25c.; bu., 75c.; \$1.50 bbl.

Peat in sacks. Ton, \$12.00. F. o. b. N. J.

Peat in car lots. Ton, \$6.00. F. o. b. N. J.

Peat, Orchid. Per barrel bag, \$2.00; pk., 30c.; bu., \$1.00.

Sand for propagating. Per qt., 5c.; pk., 20c.; bu., 70c.; bbl., \$1.75.

Shaderine. For shading greenhouse glass. 10-lb. cans, \$1.75; 30 lbs., \$4.50.

Soil for potting. Qt., 5c.; ½ pk., 15c.; pk., 20c.; bu., 70c.; bbl., \$1.75.

Tin Foil. 15c. per lb.; 70c. per 5 lbs.

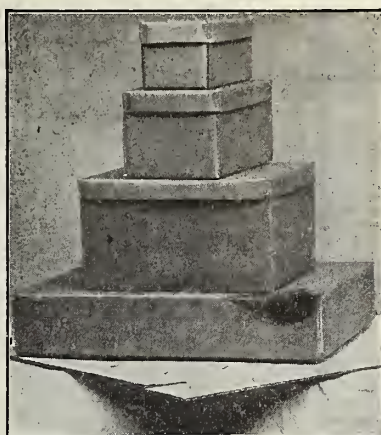
Toothpicks. Plain, box, 7c.; 35c. for 6.

Toothpicks. Wired, 25c., 1000; 10,000, \$2.

Violet and Green Foil. 40c. lb.

Weed Killer. Fairmount. ½ gal., 75c.; \$1.25 gal.; 5 gals., \$6.00. Target Brand: 45c. per qt.; ½ gal., 65c.; \$1.15 per gal.; 5 gals., \$5.00; \$9.50 for 10 gals. Herbicide (Weed Killer). Gal., \$1.50; \$5.50 per 5 gals.; 10 gals., \$10.00.

Zementine. For whitewashing and shading. 2 lbs., 15c.; 10 lbs., 70c.

**CUT FLOWER BOXES****CORRUGATED PAPER BOXES**

	Each	Per Doz.
60 x 20 x 12 inch	\$0.60	\$6.50
42 x 14 x 8 " .....	.40	4.50
36 x 14 x 6 " .....	.35	3.50
24 x 8 x 5 " .....	.20	2.00

GREEN FELT PAPER BOXES

These are very attractively finished and add considerably to the appearance of the flowers in the box.

Size	Per Doz.	Per 100
20 x 5 x 3	\$0.45	\$2.85
23 x 5 x 4 .....	.65	4.50
30 x 5 x 4 .....	.75	5.00
23 x 7 x 4 .....	.70	4.75
15 x 6 x 5 .....	.65	4.50
24 x 8 x 5 .....	.90	6.50
28 x 8 x 5	1.15	8.00
35 x 8 x 5	1.50	10.00
36 x 5 x 4	1.15	8.00
30 x 12 x 6	1.75	12.00
36 x 12 x 6	2.50	18.50

LIGHT WEIGHT PAPER BOXES

Size	Per Doz.	Per 100
14 x 5 x 3	\$0.35	\$2.25
20 x 4 x 3 .....	.40	2.50
16 x 5 x 3 .....	.40	2.50
18 x 5 x 3 .....	.45	2.65
10 x 5 x 3 ¼ .....	.50	3.00
18 x 7 ½ x 3 ½ .....	.60	3.50
21 x 5 x 3 ¼ .....	.60	3.50
23 x 5 x 3 ½ .....	.65	3.75
21 x 7 x 3 ½ .....	.65	3.75
21 x 8 x 4 .....	.70	4.00
23 x 7 x 3 ½ .....	.70	4.00

HEAVY WEIGHT PAPER BOXES

Size	Per Doz.	Per 100
23 x 12 x 4	\$1.00	\$6.50
28 x 8 x 5	1.00	6.50
30 x 9 x 4	1.00	6.50
36 x 8 x 5	1.25	8.25
23 x 12 x 5	1.25	8.25
30 x 9 x 6	1.35	8.75
30 x 12 x 6	1.50	11.00
30 x 14 x 8	2.40	16.50
36 x 12 x 6	2.40	16.50

We can also supply other sizes of boxes.

VIOLET BOXES

Size	Per Doz.	Per 100
7 x 4 x 4	\$0.40	\$2.75
8 x 5 x 5 .....	.70	4.40
9 x 7 x 5 ½ .....	.80	5.50
10 ¼ x 6 ¼ x 4 ½ .....	.80	5.50
12 x 6 x 6	1.25	8.80

PAPER FOR FLOWERS

	1 lb.	5 lbs.	Ream
Manilla. For wrapping. \$0.10	\$0.45	\$1.00	
" Tissue .....	.12	.55	1.00
Wax. White, 24 x 36 in. .30	1.25	2.50	
Wax. Green, 24 x 36 in. .35	1.50	3.00	



Double Glass Sash are made with a double glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hotbed mats are unnecessary. 3 ft. wide, 6 ft. long.

Prices, f. o. b. Philadelphia:

Plain, Unglazed and Unpainted.....\$2.35
Glazed and Painted 4.05
Packing Glazed Sunlights, 15c. each extra.

HOT BED SASH

Made of best quality cypress. Size, 3 ft. 1½ in. wide, 6 feet long.

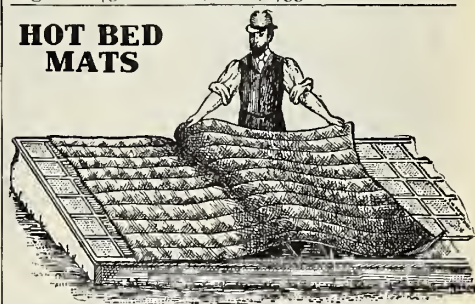
Plain, not glazed or painted. \$1.50 each; \$16.00 doz.

Glazed, painted, puttied glass. \$3.25 each; \$37.50 doz.

Packing charges on Glazed sash only, 10c. each; per doz., \$1.20 extra.

HOT BED SASH COVERS

Made of beaded boards, 3 x 6 ft., to fit the standard sash, painted lead color. Just the thing to place on top of mats on severe nights. \$3.00 each; doz., \$33.00.

HOT BED MATS

The Burlap, and Duck and Burlap are the best mats that it is possible to procure. Rats and mice do not harbor in them, and they are otherwise practically indestructible.

Burlap. 76 x 76 inches, covering two regular size sash. Each, \$1.50; doz., \$17.00.

Burlap. 40 x 76 inches, for one sash. Each, \$1.00; doz., \$11.00.

Duck and Burlap. This style is waterproofed on one side. 40 x 76 inches. Each, \$1.25; doz., \$14.00.

Duck and Burlap. 76 x 76 inches. Each, \$1.75; doz., \$20.00.

We can supply the following mats any length desired:

Duck and Burlap. 76 inches wide at 30c. per running foot.

Plain Burlap. 76 inches wide at 26c. per running foot.

Straw Mats. 3 x 6 feet\$1.00 \$11.00
" " 6 x 6 feet 1.75 18.00

All prices subject to market changes

GREEN TAPERING STAKES

	Each	Doz.	100
1½ feet tapering	\$0.02	\$0.17	\$1.00
2 " " .....	.03	.28	1.70
2½ " " .....	.04	.39	2.40
3 " " .....	.05	.51	3.20
3½ " " .....	.06	.63	4.00
4 " " .....	.07	.75	4.80
5 " " .....	.08	.88	5.60

ROSE OR DAHLIA STAKES**ROUND TAPERING STYLE**

	Each	Doz.	100
3 feet	\$0.08	\$0.75	\$4.85
3½ " .....	.09	.88	5.68
4 " .....	.10	1.10	6.50
5 " .....	.12	1.25	8.15
6 " .....	.15	1.55	9.80

GALVANIZED WIRE STAKES**No. 10 Wire, light**

	Doz.	100	1000
2 feet long	\$0.12	\$0.60	\$5.00
2½ " " .....	.15	.75	6.25
3 " " .....	.18	.90	7.75
3½ " " .....	.22	1.10	9.00
4 " " .....	.25	1.25	10.50
4½ " " .....	.30	1.35	12.00
5 " " .....	.35	1.50	13.00
6 " " .....	.40	1.75	14.25

No. 8 Wire, heavy

	Doz.	100	1000
4 feet long	\$0.30	\$1.70	\$14.00
4½ " " .....	.35	1.85	15.00
5 " " .....	.40	2.00	16.00
6 " " .....	.45	2.25	18.00

DOWELS OR STAKES

Length	Diam.	Doz.	100	1000
24 in.	¾ in.	\$0.12	\$0.70	\$5.25
36 "	¾ "	.15	.85	6.50
36 "	1 " "	.15	.85	6.50
36 "	1 ¼ " "	.15	.85	6.50
36 "	1 ½ " "	.15	.85	6.50
36 "	2 " "	.20	1.25	9.00
42 "	1 ½ " "	.20	.95	7.50
42 "	2 " "	.20	.95	7.50
42 "	2 ½ " "	.20	.95	7.50
42 "	3 " "	.25	1.35	11.00

The above are plain stakes, if wanted dyed green add 5c. per doz.; 15c. per 100; per 1000, \$1.00 to the above prices.

CANE STAKES

	Doz.	100	250	1000
Southern, 8 to 9 ft. ..	\$0.25	\$1.00	\$2.25	\$8.00
Japanese, 5 to 6 ft. ..	.25	1.00	2.25	8.00

GREEN CANE STAKES

These are treated with a coloring that is permanent, making a very attractive stake for all purposes where it is heavy enough. We have these in 3½ foot lengths only. Price, 15c. per doz.; per 100, \$1.00; \$8.25 per 1000.

HYACINTH STAKES

	Doz.	100	1000
12 inches long	\$0.05	\$0.25	\$1.50
18 " " .....	.08	.40	2.00

**Cort's Stake Fastener****Blake Lock Clip****STAKE FASTENERS**

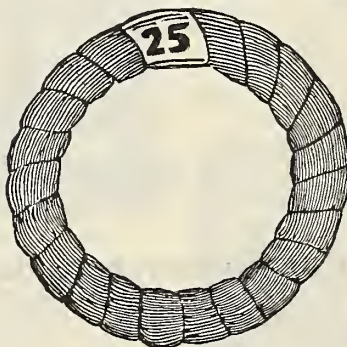
These take the place of string entirely, lasting several seasons, used for fastening cross wires to galvanized stakes.

	500	1000
Blakes. Lock Clips	\$0.85	\$1.60
Corts. Heavy	1.75	3.25
" Eureka	1.00	1.90

SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

	Each	Doz.	100
1½ feet	\$0.02	\$0.12	\$0.95
2 " .....	.02	.18	1.43
2½ " .....	.03	.24	1.90
3 " .....	.05	.48	3.80
3½ " .....	.06	.52	4.28
4 " .....	.07	.66	5.28
5 " .....	.08	.90	7.13
6 " .....	.10	1.08	8.55

**WIRE**

Price subject to change

GALVANIZED

	lb.	12 lb. Stone
No. 16	\$0.10	\$0.85
No. 18 .....	.11	1.00
No. 19 .....	.12	1.10
No. 20 .....	.13	1.15
No. 22 .....	.14	1.30
No. 24 .....	.15	1.50

ANNEALED

	\$0.08	\$0.70
No. 16		
No. 18 .....	.09	.80
No. 20 .....	.10	.85
No. 22 .....	.11	.90
No. 24 .....	.12	1.10
No. 19 Tinned .....	.11	.90

TINNED WIRE

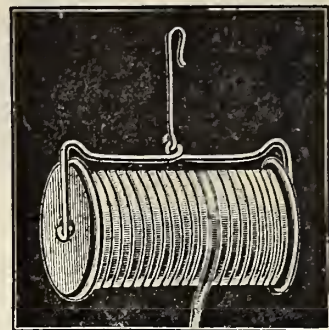
No. 19, 11c. lb.; per 12 lb. stone, 90c.
In 10-lb. boxes, cut 8½ inches, 15c. per lb.; per box, \$1.40.

CUT BOUQUET WIRE

For Funeral Work, Stemming Flowers, Etc.

Cut 9, 12 or 18 inches in length.

No. 20, 12c. per lb.; per box, 12 lbs.,	\$1.30
No. 22, 14c. per lb.; per box, 12 lbs.,	1.40
No. 24, 15c. per lb.; per box, 12 lbs.,	1.50

**RAFFIATAPE**

This article is made of a composition of paper and linen and is tremendously strong, it is about ¼ inch wide and is put up in 250 yard spools or reels. This is also desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green.

Per reel of 250 yards, 75c.; 6 reels, \$4.25; 12 reels, \$8.00.

**RAFFEA**

For tying, basket making and fancy work, very long and fibrous.

Natural Color. Price, 20c. per lb.; 5 lbs. for 90c.

Colored. In all shades. 15c. per ¼ lb.; 1 lb., 50c.; \$2.25 for 5 lbs.

**TWINES, ETC.**

	Ball	lb.
No. 12 Light Italian Twine ..	\$0.20	\$0.40
No. 18 Medium Italian Twine ..	.20	.40
No. 24, Heavy Italian Twine...	.20	.40
No. 36, Heavy Italian Twine...	.20	.35
2 ply, 3 ply and 5 ply Jute ....	.10	.20
Linen Bouquet .....	.08	.45
Boston Linen, 2 and 3 ply.....	.20	.35
Green Sea Island .....	.10	.45
Special Thin White Cotton ....	.08	.30
2 ply Texas White Cotton ....	.07	.30
Tarred, for Mat Making .....	.20	
Tarred Sisal for Fodder .....	.12	
Binder (5-lb. ball) .....	.75	
Express, very heavy .....	.15	

Green Silkline. For stringing Smilax and Asparagus.

Price per spool, 25c.

Price, per lb. (8 spools) (Coarse or fine)

Green Linen (substitute for Silkline), very similar to the above, fast color.

Price, 20c. per ball; 85c. per lb.



FLOWER BED FENCING

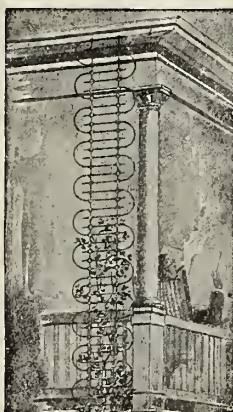
For putting around beds, lawns, etc. Any length desired up to 150 running ft.
16 in. Less than 150 ft. roll, 12c. ft.
16 in. In Roll Lots, 150 ft., 10c. ft.
22 in. Less than 150 ft. roll, 14c. ft.
22 in. In roll lots, 150 ft., 12c. ft.

CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porches, verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 150 running feet.

13 in. wide. Less than 150 ft. rolls, 12c. per ft.
13 in. wide, in roll lots, 150 ft., 10c. per ft.
19 in. wide, less than 150 ft. rolls, 14c. per ft.
19 in. wide, in roll lots, 150 ft., 12c. per ft.



Continuous Trellis

WIRE TRELLIS

12 inch high	.....	\$0.20
18 inch high	.....	.30
24 inch high	.....	.40
30 inch high	.....	.65
36 inch high	.....	.75
42 inch	\$1.10	
48 inch	1.30	
60 inch	1.75	
72 inch	2.25	



VINE OR WALL NAILS

For fastening climbing vines, equipped with a soft metal clasp which holds the vine against the wall.

1-in., doz. 15c., per 100 \$1.00; 1½-in., doz. 20c., per 100 \$1.25; 2-in., doz. 25c., per 100 \$1.50.



FAN TRELLIS

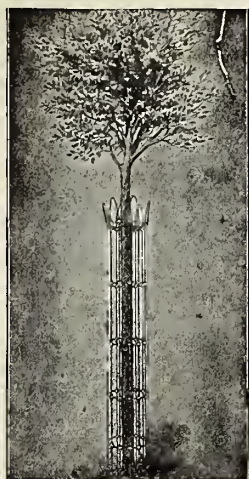
Made of wood, painted green.

18 inch	.....	\$0.15	36 inch	.....	\$0.40
24 inch	.....	.25	42 inch	.....	.50
30 inch	.....	.35	48 inch	.....	.60



WIRE TRELLIS (Made to Order)

We are able to have made, at short notice, special sizes of wire trellis, any length and any width, at 25c. per sq. ft.



WIRE TREE GUARD

Carefully galvanized, thoroughly made, 8 inches diameter. \$1.25 each; per doz., \$13.50.

No. 4 IRON TREE GUARD

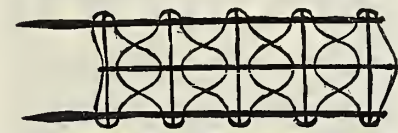
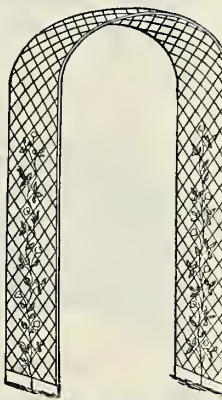
12 in. diameter, 6 ft. high. Price, \$2.50 each; per doz., \$25.00.



GALVANIZED WIRE ARCHES

These can be furnished on short notice any height or any width. Made of extra heavy galvanized diamond mesh wire with strong frames to prevent sagging.

Price, 25c. per square foot.



VERANDA TRELLIS

Made of wood and painted green.
2 feet \$0.30 6 feet, heavy. \$0.95
3 feet40 8 feet, heavy. 1.15
4 feet50 10 feet, heavy. 1.60
5 feet, heavy. .75 12 feet, heavy. 1.85
Larger sizes to order.



IVY TRELLIS

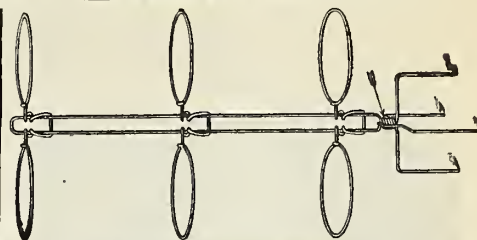
Made of wood, painted green.

16 in. diam., 40c.
20 in. diam., 50c.
24 in. diam., 65c.



OVAL TRELLIS

Made of wood, painted green.
24 inch 25c.



Müller Carnation Support

MÜLLER'S DOUBLE SUPPORT

One of the best on the market, easily put together. After the rings are detached it folds flat, thereby requiring very little storage room when putting away.

Per doz., 75c.; \$4.50 per 100; per 1000, \$42.00.

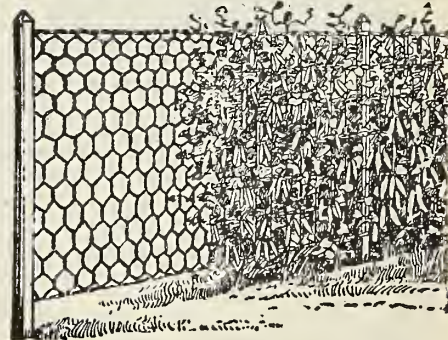
RICHMOND CARNATION SUPPORT

This is now the most popular support that there is, it can be put together in a minute, and is always satisfactory.

		Per Doz.	100	1000
No. 11.	29 in., 3 ring			
Jouble	.....	\$0.65	\$4.50	\$42.50
No. 11.	29 in., 3 ring			
Single	.....	.50	3.50	32.00

"MODEL" CARNATION SUPPORTS

		Per Doz.	100	1000
2 Ring	.....	\$0.45	\$3.00	\$27.50
3 Ring	.....	.55	3.50	32.50



WIRE PEA TRELLIS

This does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10 foot sections, with 3 suitable 5½ foot stakes for fastening in the ground; can be put away and used year after year. \$1.00 per section; 10 sections for \$8.50.

TOMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit.

Model (Wire). Each 20c., doz. \$2.00, \$14.00 per 100.

Muller (Wire). Each 30c., doz. \$3.25, \$23.50 per 100.

Perfection (Wood). Each 25c., doz. \$2.75, \$22.00 per 100.



Model Tomato Support

RUSTIC PORCH AND LAWN FURNITURE, ETC.

All of our Rustic Work is made by thoroughly experienced men. It is carefully finished, leaving no rough places or nails protruding. A settee or chair placed at intervals on paths will be found a great convenience. The Rustic Work we offer is finished in the natural state with the bark on it, and not varnished.



PORCH AND WINDOW BOXES

Self-Watering Style (see cut). These are made of metal, finished bright green; the bottom is equipped with a reservoir which when filled is sufficient to keep the contents of the box watered for two weeks.

	Height	Width	Length	Price
No. 1	8"	9½"	23"	\$1.75
No. 5	8"	9½"	31"	2.35
No. 8	8"	9½"	37"	2.75

Wooden Rustic Bark Style (Natural Finish). These are attractively made and neatly finished, suitable either for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch	7½-inch	11-inch	\$1.40
30 "	7½ "	11 "	1.75
36 "	7½ "	11 "	2.10

Any length made to order, 75c. per running foot, 11 inches wide.

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch	6½-inch	8-inch	\$0.80
30 "	6½ "	8 "	1.00
36 "	6½ "	8 "	1.20

Any length made to order, 45c. per running foot, 8 inches wide.

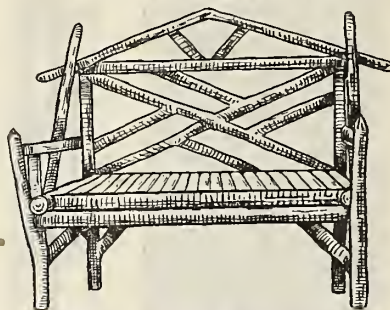
Rustic Bark (Natural Cedar). For covering boxes, columns or any other article. Per sq. ft., 5c.; \$1.00 per 25 sq. ft.; 50 sq. ft. and over, at 3½c. per sq. ft.



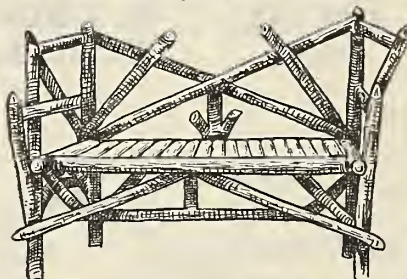
SUN DIAL

This ancient time teller is a part of every exclusive flower or vegetable garden and indeed a very interesting one. It is made of cast iron with screw holes, so it may be fastened down to a pedestal or other foundation, on which it is to rest. The figures are raised, so that they may be easily renovated with paint or otherwise, when weatherbeaten. Dial is 10 ins. in diameter, finished in black, gilded figures, without pedestal, \$1.50.

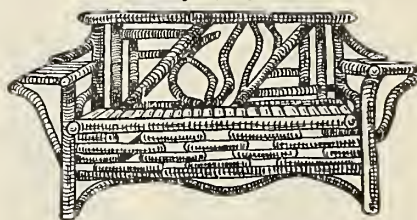
RUSTIC SETTEES



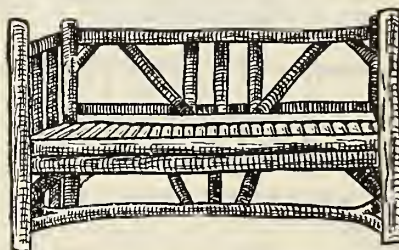
Elwood Style, \$3.00 each.



Florida Style, \$3.00 each.



Klondike Style, \$6.00.



Mission Style, \$6.00.

COLONIAL GARDEN SEATS

Made of wood and finished in a most exclusive manner, stock color is usually a light green, although any color can be had on short notice. Price, \$1.40 per running foot. Any length desired.

No. 1036 PARK BENCH

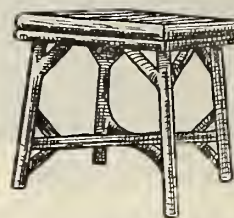
Ash seat and back, iron legs; 58 inches long. Price, \$5.00.

RUSTIC HANGING BASKETS

These are made in attractive patterns, oblong design, finished natural oak and very rustic indeed. Will last many years.

8-inch	\$1.50 each
10 "	1.75 "
12 "	2.00 "

RUSTIC CHAIRS



These are made in style similar to the settees of the same name

Klondike Style

Price, \$4.00

Elwood Style

Price, \$2.50

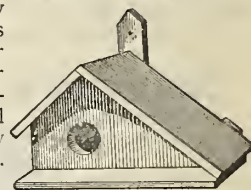
Mission Style

Price, \$4.00

Rustic Table, \$4.00.

WOODEN WREN BOX

These are very useful as well as ornamental, for putting on trees or fastening on buildings. Painted red and green, very attractive. 35c. each, 3 for \$1.00.



WRENS' NESTS (Terra Cotta)



Constructed so they may be suspended from a tree limb anywhere. Hole is small, so large birds cannot enter or disturb the occupants. Price, 25c. each; \$2.50 per doz.

RUSTIC BIRD HOUSES

We have these in a number of attractive patterns, thoroughly weather-proof. A few of these placed about the home grounds often encourages desirable song and plumage birds to return to the same place each season. Price, \$2.00 each.



IRON GUARDS

For grass corners, flower beds, etc. Iron (see cut) nicely painted green, 75c. each; per doz., \$8.25.

WIRE GUARDS

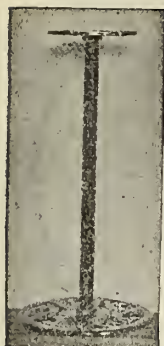
Made extra heavy and well galvanized. Price, 20c. each; per doz., \$2.00.



LAWN SIGNS

Excellent for putting on grass plots where thoroughfare is not desired. Made of iron, nicely painted. 40c. each; per doz., \$4.00.

All prices subject to market changes



IRON PLANT STANDS STAR STYLE

Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device and are finished in black varnish.

Height	Each	Doz.
12 inches	...\$0.70	\$7.70
18 "	... .80	8.80
24 "	... .95	10.50
30 "	... 1.15	12.25
36 "	... 1.40	15.50
42 "	... 1.55	16.50

SUPERIOR STYLE

Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled green.

Height	Size of Plates	Price Each	Per Doz.
12 inch	.....5 x 7	\$0.85	\$9.00
18 "	.....5 x 7	.95	10.00
18 "	.....8 x 10 1/2	1.05	11.75
24 "	.....8 x 10 1/2	1.15	13.00
24 "	.....8 x 12	1.25	14.25
30 "	.....8 x 10 1/2	1.35	14.75
30 "	.....8 x 12	1.45	15.75
36 "	.....8 x 10 1/2	1.55	15.75
36 "	.....8 x 12	1.65	16.75
42 "	.....8 x 10 1/2	1.75	16.75
42 "	.....8 x 12	1.80	18.00
48 "	.....8 x 12	1.85	19.50
60 "	.....8 x 12	1.95	20.75
72 "	.....8 x 12	2.05	22.00

EXTRA PLATES FOR IRON STANDS

	For Superior	For Star Stands
	Each	Doz.
5 inch	...\$0.30	\$3.30
7 "	... .35	3.75
8 "	... .50	5.50
10 1/2 "	... .55	6.00
12 "	... .65	7.00

WIRE PLANT STANDS

These are nicely painted dark green and finished in bronze. They are very substantial and will carry most any weight that can be placed on them. We especially recommend the Jones style, as it is collapsible and takes up very little space when not in use.



PHILADELPHIA STYLE

Square Style Half Round Style

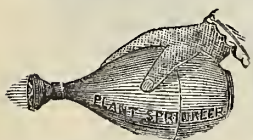
1 shelf\$2.25	
2 " 3.00	\$3.00
3 " 4.00	4.00

JONES' COLLAPSIBLE STYLE

(See cut.)

2 shelf\$2.25	3 shelf\$3.25
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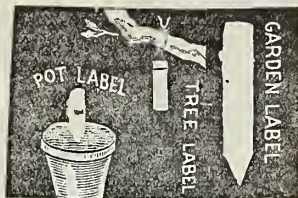
RUBBER PLANT SPRINKLERS



If wanted by mail, add 10c.

Straight Neck.	
No. 1\$1.00
No. 290
No. 4	..... .60
Angle Neck.	
Large	.....\$1.00
Small	..... .80

PAINTED POT LABELS



	100	500	1000
4 inch	.....\$0.12	\$0.50	\$0.85
4 1/2 "	..... .15	.60	1.00
5 "	..... .20	.70	1.25
6 "	..... .25	.85	1.50
8 "	..... .35	1.75	3.25
10 "	..... .50	2.40	4.50
12 "	..... .75	3.25	6.00
18 " for field use	2.50		20.00

WOOD TREE LABELS, Etc.

	Per 100	Per 1000
Iron Wired. Plain	.....\$0.15	\$1.00
Copper Wired. Plain	..... .20	1.25
" Painted	..... .25	1.50
Copper Sheet, wired.	20c. per doz.; per 100, \$1.10.	
Indelible Marking Pencils	.....each, 5c.	

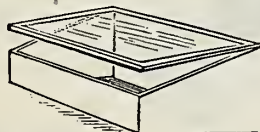
GARDEN MARKERS

For labeling perennials, garden rows, beds or individual plants.

Iron Age Style No. 5.

These are made of heavy stamped metal, enameled black. The card is covered with a celluloid face, which protects it from the elements of the weather. The angle of this label is so arranged as to make it easily read from an erect position. The holder has a large capacity for cards, so that several years' records may be kept together. Price, 15c. each; per doz., \$1.75; \$13.00 per 100.

O. P. Style. These are somewhat similar to the above, except that they are a little lighter in make. They are equipped with a waterproof cardboard for writing, which would generally last the entire season. No celluloid face comes with these labels. 5c. each; per doz., 50c.; \$3.75 per 100.



MINIATURE HOTBEDS

These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in. \$1.35 each. Complete with glass.

SHADING OR PROTECTING CLOTH



Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from sun and at the same time allowing ventilation.

	Yds. Per Piece	Price Per Yd.	Price Per Pe.
Light. Brown cloth	60	\$0.06	\$3.30
Medium. Brown cloth	60	.10	5.40
" Green cloth	60	.12	6.60
Heavy. Brown cloth	40	.14	5.20
" Green cloth	40	.18	6.40



BAMBOO GREENHOUSE

SHADES (Painted Green)

These are much more satisfactory than either the glass shading process or shading cloth. The shades last for years, being substantially made. They add materially to the appearance of the greenhouse. Each shade is equipped with pulley and rope. The shades are placed on the outside of the greenhouse, fastened at the top, so they can be rolled up or let down at will.

	Each
6 feet wide, 8 feet long	.....\$3.00
8 " " 8 " "	..... 3.50
10 " " 8 " "	..... 4.00
10 " " 10 " "	..... 4.50



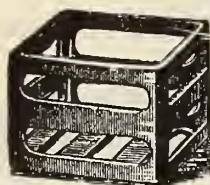
GRAPE PROTECTING BAGS

If put on during the period when grapes are forming, they will save many times their cost in the amount of fruit they will save from insects, rot, etc. All ready with wire to fasten.

If desired by mail please add 15c. per 100 to the prices below.

	100	1000
2 lb. size	.....\$0.30	\$2.75
3 lb. size	..... .35	3.25
4 lb. size	..... .40	3.75

All prices subject to market changes.



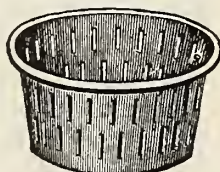
EARTHEN ORCHID BASKETS

Square	Each	Doz.
4 in.	\$0.15	\$1.35
6 " ....	.25	2.25
7 " ....	.30	3.00

ORCHID PANS

EARTHEN

	Each	Doz.
4 in. . . .	\$0.10	\$1.00
5 " . . . .	.15	1.50
6 " . . . .	.20	1.80
8 " . . . .	.30	2.50
10 " . . . .	.40	3.60
12 " . . . .	.50	5.00



Orchid Pan

CORK FOR ORCHIDS

In large clumps. 30c. per lb.; 5 lbs., \$2.50.

ORCHID PEAT

For use in orchid pans and baskets. 30c. per peck; bushel, \$1.00; \$2.00 per bbl. bag.



WOOD FIBRE FLOWER VASES

No.	Diam. inside	Depth inside	Each	Doz.
0	8 in.	13 in.	\$0.58	\$6.60
1	5½ "	10 "	.50	5.70
2	4½ "	9 "	.44	5.00
3	4 "	6 "	.37	4.20
4	3 "	4½ "	.29	3.30
00	9 "	21 "	2.19	25.00
11	5 "	18 "	.58	6.60
22	4½ "	15 "	.50	5.70
33	4 "	12 "	.44	5.00
44	3 "	9 "	.37	4.20
000	9 "	29 "	2.88	33.00

WIRE BASKETS

Complete with Hanger.

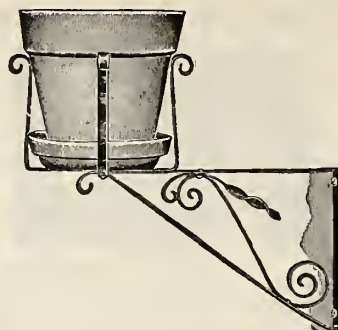
Extra Heavy Style
(See cut.)

These are extra well made and will last many years.

No.	Diam.	Each	Doz.
5	9 in.	\$0.25	\$2.50
6	11 "	.30	3.00
7	14 "	.40	4.00

Light Style

	Each	Doz.
8 inch	\$0.15	\$1.50
10 inch . . . .	.20	2.00
12 inch . . . .	.25	2.50
14 inch . . . .	.35	3.50
16 inch . . . .	.45	4.50



JONES' POT BRACKET

- No. 1—Holds 5-inch pot. Each, 30c.; \$3.00 per doz.
No. 2—Holds 6-inch pot. Each, 35c.; \$3.50 per doz.
No. 3—Holds 7-inch pot. Each 40c.; \$4.00 per doz.

MAILING.—If Jones's Brackets are desired by mail, add 15c. to price of each bracket.

BRONZED POT BRACKETS

- 8310—Single small, 30c. each, per doz. \$3.00.
8320—Single, medium. 40c. each, per doz. \$4.00.
8340—Double, medium. 60c. each, per doz. \$6.00.

IRON VASES

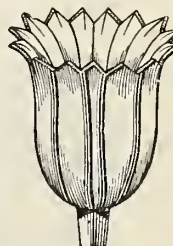
For holding cut flowers on cemetery lots and graves.

Painted Green

No.	Each	Doz.
3—Small . . .	\$0.25	\$2.50
2—Medium . .	.35	3.75
1—Large . . .	.45	4.50

Galvanized

No.	Each	Doz.
3—Small . . .	\$0.35	\$3.75
2—Medium . .	.50	5.00
1—Large . . .	.65	6.75



ENAMELED CEMETERY VASES

Color rich green; made of tin and carefully enameled; will not burst in cold weather.

No.	Each	Doz.
1—Large	\$0.25	\$2.75
2—Small . . . .	.20	2.00



BASKET OR CEMETERY HOOKS

Thoroughly galvanized so they cannot rust

- Single, 1½ inch thick, 40c.
Single, ¾ inch thick, 50c.
Double, 1½ inch thick, 80c.



Eureka Hanger

KRICK'S POT HANGERS

	Each	Doz.
No. 1. For 3 to 5-in. pots. . . .	\$0.03	\$0.30
No. 2. For 6 and 7-in. pots . . .	.04	.40
No. 3. For 8 to 10-in. pots . . .	.05	.50

EUREKA POT HANGER

These are suitable for any size pot up to 8 inches, made of heavy galvanized wire, 15 inches long. 60c. per doz.; per 100, \$4.00.



ENGLISH GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables; made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, 60c.

OAK GARDEN BASKETS

For fruit and vegetable harvesting, strongly made. ½ bu., with handle, 50c. each.

1 bu. size, no handle, 75c.

½ bu. size, no handle, 45c.



SPLINT BASKETS

	With Handle	Without Handle
¼ bu. Per doz.,	\$0.65	\$0.60
½ bu. . . . .	.70	.65
¾ bu.	1.20	1.00
1 bu.	1.65	1.50

Strawberry Boxes. One qt. size, 15c. doz., per 100 75c., \$5.25 per 1000.



WOOD MEASURES

Cedar, Iron Bound

¼ to ½ peck. . . .	\$0.30
½ pk. to 1 pk. . .	.40
½ bushel . . . . .	.70
1 bushel	1.25

All prices subject to market changes.

PLANT TUBS, FLOWER POTS, SAUCERS, Etc.

CEDAR TUBS

Equipped with Black Iron Hoops.

These are made by hand, of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.



Cedar Plant Tub

No.	Outside diam.	Length of stave outside	
No. 0.	27 inches	24 inches	\$5.50
No. 1.	25 "	22 "	5.00
No. 2.	23 "	20 "	4.50
No. 3.	21 "	18 "	4.00
No. 4.	19 1/2 "	16 "	3.00
No. 5.	18 "	14 "	2.75
No. 6.	16 1/2 "	13 "	2.25
No. 7.	15 "	12 "	2.00
No. 8.	12 "	10 "	1.75

CEDAR PLANT TUBS

With Galvanized Iron Hoops

These hoops are much more substantial than the regular black iron and are well worth the difference; furnished only on order; not carried in stock.

No.	Galvan. Hoops
No. 0.	\$6.00
No. 1.	5.50
No. 2.	4.90
No. 3.	4.40
No. 4.	3.35
No. 5.	3.10
No. 6.	2.55
No. 7.	2.30
No. 8.	1.95

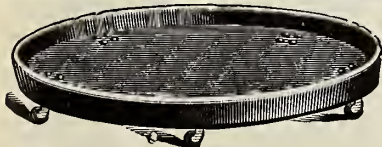
MICHELL'S KEYSTONE PLANT TUBS



Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 10c per pair, specify when wanted that way.

No.	Inside Diam.	Depth	Each
6.	11 inches	10 inches	\$0.70
7.	12 "	11 "	.80
8.	13 "	12 "	.90
9.	14 "	13 "	1.00
10.	15 "	14 "	1.25
11.	16 "	15 "	1.35
12.	17 "	16 "	1.50
13.	18 "	17 "	1.75
14.	19 "	18 "	2.00

ROLLING STANDS (Wood Fibre)



	Will fit	Pot	Tub	No.	Each	Doz.
12 inches	10 in.			8	\$0.53	\$6.00
14 "	12 "			8	.63	7.20
16 "	14 "			8	.78	9.00
18 "	16 "			7-6	.88	10.00
20 "				5	1.05	12.00
22 "				4	1.31	15.00



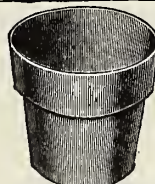
WOOD FIBRE PLANT TUBS

Complete, with saucers.

	Green Enameled	Mahogany Color
10 inch	\$0.95	\$0.63
12 "	1.15	.75
14 "	2.00	1.50
18 "	4.73	3.95

EARTHEN FLOWER POTS

Our Earthen Flower Pot stock is very large. We carry a full line of sizes at all times.



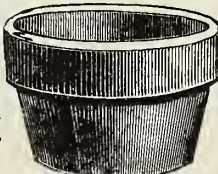
Height and Width Inside	Each	Doz	100	1000
2 inches	\$0.01	\$0.07	\$0.50	\$3.96
2 1/4 "	.01	.08	.56	4.45
2 1/2 "	.02	.09	.69	5.45
3 "	.02	.11	.88	6.93
3 1/2 "	.02	.14	1.06	8.41
4 "	.02	.18	1.38	10.89
4 1/4 "	.03	.20	1.56	12.37
4 1/2 "	.03	.24	1.88	14.85
5 "	.03	.32	2.50	19.80
5 1/2 "	.05	.41	3.13	24.75
6 "	.05	.49	3.75	29.70
6 1/2 "	.07	.62	4.80	44.00
7 "	.08	.78	6.00	55.00
8 "	.11	1.09	8.40	77.00
9 "	.16	1.56	12.00	110.00
10 "	.22	2.11	16.20	148.50
11 "	.29	2.81	21.60	
12 "	.40	3.90	30.00	
14 "	.80	7.80	60.00	
16 hand made	1.50	13.50		

PAPER FLOWER POTS

Size	Doz.	100	1000
2 1/4 inches	\$0.08	\$0.35	\$3.00
2 1/2 "	.10	.40	3.25
3 "	.12	.55	4.50
3 1/2 "	.18	.70	6.00
4 "	.20	.95	7.50
5 "	.25	1.40	12.50
6 "	.30	1.80	17.00

EARTHEN BULB PANS

These are fine for planting with bulbs of various kinds or for ferns and other compact plants.



Diam. Inside	Each	Doz.	100
6 inches	\$0.07	\$0.68	\$3.75
7 "	.08	.78	4.80
8 "	.10	.98	6.00
9 "	.15	1.30	8.40
10 "	.20	1.63	10.80
12 "	.25	2.28	15.00
14 "	.50	4.55	30.00
16 "	.90	7.80	60.00
18 "	1.25	11.70	90.00



Seed Pan

SEED PANS

Earthenware

Inches	Each	Doz
6	\$0.20	\$2.00
8	.25	2.50
10	.30	3.00
12	.40	3.50



WOOD FIBRE SAUCERS

Extremely desirable on account of being absolutely waterproof. Plants put on these can be stood on the finest covering or wood-work without damage; they are also unbreakable.

	Each	Doz.	100
4 inches	\$0.11	\$1.24	\$9.27
5 "	.11	1.27	9.54
6 "	.12	1.32	9.90
7 "	.13	1.44	10.80
8 "	.14	1.56	11.70
9 "	.15	1.73	12.96
10 "	.16	1.80	13.50
12 "	.19	2.16	16.20
14 "	.25	2.88	21.60
16 "	.44	5.04	37.80
18 "	.50	5.76	43.20



EARTHENWARE SAUCERS

	Each	Doz.	100
4 inches	\$0.02	\$0.15	\$1.12
5 "	.03	.18	1.40
6 "	.04	.24	1.88
7 "	.05	.31	2.40
8 "	.06	.47	3.60
9 "	.08	.62	4.80
10 "	.09	.78	6.00
11 "	.11	.94	7.20
12 "	.15	1.17	9.00
14 "	.25	1.95	15.00



Fern Liner



EARTHEN FERN PANS

These are suitable for putting into deep fern dishes.

Width	Height	Each	Doz.	100
4 in.	1 7/8 in.	\$0.04	\$0.31	\$1.65
4 1/4 "	2 1/8 "	.05	.33	2.20
5 1/2 "	2 1/4 "	.06	.41	2.75
6 1/4 "	2 1/2 "	.07	.49	3.30
7 "	2 3/8 "	.09	.55	3.85
8 "	3 1/8 "	.11	.79	5.50
9 "	3 1/4 "	.15	.95	6.60

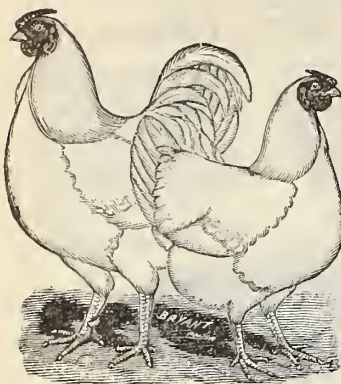
FERN DISH LINERS

Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1 7/8 in.	\$0.12	\$1.00	\$6.00

POULTRY AND ANIMAL FOODS AND TONICS

ALL PRICES SUBJECT TO MARKET CHANGES



Bone (Ground). We have a fine and a coarse grade (always state which is wanted when ordering). 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 75c., \$1.50 per 50 lbs., 100 lbs. \$2.50, \$11.25 for 500 lbs.



Bone Meal. For feeding chicks and using in the mash. 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., 50 lbs. \$1.50, 100 lbs. \$2.50.

Bran (Wheat). For mash, etc. 5 lbs. 20c., 60c. per 25 lbs., 100 lbs. \$2.00.

Broken Rice. 1 lb. 6c., 30c. for 5 lbs., 10 lbs. 55c., \$1.25 for 25 lbs. (Price in large quantity on application.)

Buckwheat. Price, 10c. per quart. (Larger quantity, price on application.)

Cake Meal. 5 lbs. 25c., 90c. per 25 lbs., 100 lbs. \$3.15.

Calf Meal (Blatchford's). \$2.00 per 50 lbs., 100 lbs. \$3.75.

Canada Peas. Price, 10c. per quart, per peck 55c. (Prices on large quantities on application.)

Cat Food (Spratt's). Per carton, 25c.

Catnip Balls. 15c. each, doz. \$1.50.

Cattle Regulator (Pratt's). 5 lbs. 50c., 75c. for 12 lbs., 25 lbs. \$1.50, \$3.00 per 50 lbs.

Charcoal. Two grades, **fine** and **coarse**; state which you wish when ordering. Price: 1 lb. 7c., 30c. for 5 lbs., 10 lbs. 45c., 75c. for 25 lbs., per 100 lbs. \$2.50, \$10.00 for 500 lbs.

Chicgrain (Spratt's). Per carton 25c., 5 lbs. 30c., 55c. per 10 lbs., 25 lbs. \$1.00, \$1.90 per 50 lbs., 100 lbs. \$3.50

Chick Food (Cypher's). 5 lbs. 25c., 45c. per 10 lbs., 25 lbs. 90c., \$3.00 per 100 lbs.

Chick Food (Michell's). 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 90c., \$1.50 for 50 lbs., \$2.75 per 100 lbs., 500 lbs. \$12.50.

Chick Food (Park and Pollard). 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 80c., \$1.50 per 50 lbs., 100 lbs. \$2.75.

Chick Food (Pratt's). For newly hatched chicks. 1 lb. 10c., 3 lbs. 25c., 6 lbs. 50c., \$1.00 per 14 lbs.

Chick Manna. Price: 1 lb. 10c., 5 lbs. 40c., 15 lbs. \$1.10, 60-lb. case, in bulk, \$4.20.

Chick Meal (Spratt's No. 5). 25c. per carton, 40c. per 5 lbs., 10 lbs. 70c., \$1.50 per 25 lbs., 50 lbs. \$2.85, \$5.50 per 100 lbs.

Climax Condition Powder (Rust's). Price: 25c., 50c., \$1.00 and \$1.50 per package.

Condition Powder (Sheridan's). A natural stimulant and persuader for the hen. 25c. package, 2 1/4 lb. can. 75c.

Conkey's Laying Tonic. 25c. pkg.

Corn Meal (Special Process). 5 lbs. 20c., 65c. 25 lbs., 100 lbs. \$2.25.



Cow Kure. A tonic for cows and heifers. 50c. per can.

Cracked Corn. 4c. per lb., 5 lbs. 15c., 30c. for 10 lbs., 50 lbs. \$1.10, \$2.00 per 100 lbs.

Crissell (Spratt's). 5 lbs. 35c., 60c. per 10 lbs., 25 lbs. \$1.25, \$4.50 per 100 lbs.

Cut Clover Hay. 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 75c., \$1.35 for 50 lbs., 100 lbs. \$2.50, 500 lbs. \$11.25.

Developing Food (Michell's). 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 75c., \$1.50 per 50 lbs., 100 lbs. \$2.50, \$11.25 for 500 lbs.

Dog Cakes (Spratt's). 3-lb. pkg. 25c., 6-lb. pkg. 50c., 25-lb. box, \$1.85, 50-lb. box \$3.50, 100-lb. box \$6.50.

Dried Blood Flour. 1 lb. 10c., 50c. per 5 lbs., 10 lbs. 85c., \$1.75 for 25 lbs., 100 lbs. \$6.00.

Egg Food (Imperial). 26-oz. packages, 25c., 50c. for 60 ozs.

Egg Maker and Chick Grower (Lee's). 2 1/2 lbs. 25c., \$2.00 per 25-lb. pail.

Egg Producer (Rust's). 1 lb. 25c., 50c. for 2 1/2 lbs., 6 lbs. \$1.00.

Egg Salt (German). Price: 2-oz. box 25c., 50c. for 4 ozs., 1/2 lb. 80c., \$1.50 per lb.

English Salt Cat. Price, 10c. per brick, 60c. for 6, \$1.10 per doz.

Fairfield's Poultry Regulator. A general tonic and egg producer. Large size 50c., small size 25c.

Gluten Meal. 5 lbs. 20c., 75c. for 25 lbs., 100 lbs. \$2.10.

Grit (Mica Crystal). Fine, medium and coarse. 5 lbs. 15c., 40c. for 25 lbs., 50 lbs. 60c., 100 lbs. 85c., \$3.50 per 500 lbs., 1/2-ton \$6.50, \$12.00 per ton. (Special price F. O. B. Factory.)

Grit (Red Cross Health). For pigeons. 5 lbs. 20c., 35c. for 10 lbs., 25 lbs. 50c., 90c. for 50 lbs., 100 lbs. \$1.50, \$22.50 per ton.

Ground Oats. 5 lbs. 20c., 75c. for 25 lbs., 100 lbs. \$2.10.

Growing Food (Park and Pollard). 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., \$1.35 per 50 lbs., 100 lbs. \$2.50.

Hemp Seed. 12c. per quart, 50c. per peck, \$1.75 per bushel.

Hen-e-Ta Bone Grits. No. 1 for chicks and young fowls. No. 3 for large or grown fowls. 5 lbs. 30c., 50c. per 10 lbs., 25 lbs. \$1.00, \$1.50 per 50 lbs., 100 lbs. \$2.25, \$10.75 per 500 lbs.

Hulled Oats. 6c. per lb., 25c. per 5 lbs. (Prices on larger lots on application.)

Kaffir Corn. 10c. qt. (Price on larger quantities on application.)

Linseed Meal. 10c. per lb., 45c. per 5 lbs., \$2.00 for 25 lbs.

Mash Food (Michell's). 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., \$1.25 per 50 lbs., 100 lbs. \$2.25, \$11.00 per 500 lbs.

Mash Food (Park and Pollard). 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., \$1.35 per 50 lbs., 100 lbs. \$2.50.

Meat (Prepared). Price: 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 90c., 50 lbs. \$1.75, 100 lbs. \$3.25, 500 lbs. \$15.75, half-ton \$30.00, \$55.00 per ton.

Middlings. 5 lbs. 20c., 75c. for 25 lbs., 100 lbs. \$2.50.

Milk Albumen. 5 lbs. 30c., 55c. per 10 lbs., 25 lbs. \$1.25, \$2.00 per 50 lbs., 100 lbs. \$3.50.

Millet (For Feeding). 10c. per quart, 4 quarts 25c., 40c. per peck, per bushel \$1.30.

Oats. For feeding poultry. 4 qts. 20c., 30c. peck, bu. 90c.

Oat Meal (Pin Head). 5 lbs. 35c., 65c. for 10 lbs., 25 lbs. \$1.50, \$5.00 per 100 lbs.

Oyster Shell. 5 lbs. 10c., 40c. for 25 lbs., 50 lbs. 60c., 75c. per 100 lbs., 500 lbs. \$3.25, \$10.00 per ton.

Pheasant Meal (Spratt's). No. 12 Fine, No. 5 Coarse. State which is wanted when ordering. 5 lbs. 40c., 70c. per 10 lbs., 25 lbs. \$1.35, \$2.65 per 50 lbs., 100 lbs. \$5.25.

Poultry Food (Spratt's No. 3). 5 lbs. 40c., 70c. for 10 lbs., 25 lbs. \$1.35, \$2.65 per 50 lbs., \$5.25 per 100 lbs.

Poultry Powder (Barker's). A general condition powder for horses and cattle. Packages 25c.

Poultry or Scratch Food (Michell's). 5 lbs. 20c., 40c. per 10 lbs., 25 lbs. 75c., \$1.25 per 50 lbs., 100 lbs. \$2.25, \$11.00 per 500 lbs., 1000 lbs. \$21.00, \$41.00 per ton.

Poultry or Scratch Food (Park and Pollard). 5 lbs. 20c., 40c. per 10 lbs., 25 lbs. 75c., \$1.25 per 50 lbs., 100 lbs. \$2.25.

Pratt's Poultry Regulator. Price: 8-oz. packages 10c., 26-oz. packages 25c., 50c. per 4-lb. package, 12 lbs. \$1.25, \$2.50 for 25 lbs., 50 lbs. \$5.00, \$9.00 per 100 lbs.

Prepared Pigeon Food. 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 90c., \$1.25 per 50 lbs., 100 lbs. \$2.50, \$11.75 per 500 lbs.

Puppy Cakes (Spratt's). 3-lb. pkg. 30c., 6-lb. pkg. 60c., 25-lb. box \$2.00, 50-lb. box \$3.65, 100-lb. box \$7.00.

Scratch or Poultry Food (Spratt's). 5 lbs. 25c., 45c. per 10 lbs., 25 lbs. 90c., \$1.75 per 50 lbs., 100 lbs. \$3.25.

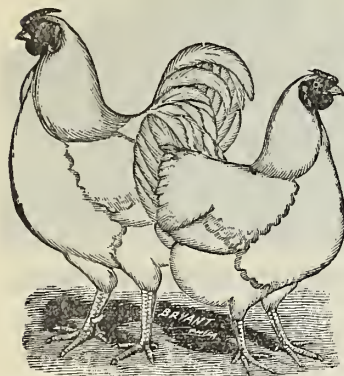
Sunflower Seed. 10c. qt., 4 qts. 30c., 55c. peck, bushel \$1.75.

Wheat Screenings. 5 lbs. 20c., 75c. per 25 lbs., 100 lbs. \$2.25.



LOUSE POWDERS, CURES FOR POULTRY DISEASES, Etc.

LOUSE DESTROYERS, DISINFECTANTS, Etc.



Carbolineum. A poultry house disinfectant, louse and mite destroyer, excellent wood preservative in gal. cans only. \$1.25 per gallon.

Death to Lice (Lambert's). 5-oz. size 10c., 25c. for 15 ozs., 48 ozs. 50c., \$1.00 per 100-oz. pkg.

Death to Lice Ointment. 1 oz. 10c., 25c. per 3-oz. size.

Death to Lice (Special). 4 ozs. 10c., 25c. per 16-oz. size.

Dog Soap (Spratt's). 25c. per cake postpaid (or 20c. over the counter).

Dog Wash (Rigler's). For mange, etc. 25c. per bottle.

Electric Poultry Bath. A preparation which is mixed with sifted ashes, sand or whatever is used for poultry dusting or bathing. The most natural way for destroying lice; the fowl does the work. Small size 25c., \$1.00 per large bag.

Lice Killer (Lee's). Liquid. Qt. 35c., ½ gal. 60c., gal. \$1.00, 5 gals. \$4.00.

Lice Killer (Pratt's). Liquid. Qt. 35c., ½ gal. 60c., gal. \$1.00.

Louse Powder (Lee's). 1¼ lb. size 25c., \$2.75 per doz. pkgs.

Louse Powder (Michell's). 25c. per carton, \$2.50 per doz.

Louse Powder (Pratt's). 5 ozs. 10c., 25c. lb., 2½ lbs. 50c.

Louse Powder (Schild's Lightning). 25c. pkg.

Conkey's Louse Powder. Per large box 25c., \$2.75 per doz.

Oil of Tar. Qt. 40c., 65c. per ½ gal., 1 gal. \$1.00.

Persian Insect Powder. ¼ lb. 15c., 25c. ½ lb., lb. 45c.

Rat Corn. For killing rats and mice without poisoning any other animal or bird. 15c., 25c., 50c., \$1.00 per box.

Sulphur Candles. Small 10c., \$1.00 doz.; large 20c., doz. \$2.00.

Thymo-Cresol (Sheep Dip). 4 ozs. 25c., 8 ozs. 40c., qt. 70c., ½ gal. \$1.10, gal. \$2.00.

Tobacco Dust. Lb. 10c., 25c. for 5 lbs., 25 lbs. \$1.00.

Zenoleum (Liquid). ½ pt. 25c., 50c. qt., ½ gal. 90c., \$1.50 gal., \$6.25 per 5 gals.

Zenoleum (Powder). 25c. per large package.

POULTRY AND DOG REMEDIES

Conkey's Chicken Pox Remedy. 25c. per box.

Diarrhoea Cure (Conkey's). Valuable for little chicks. 50c. per box.

Dog Medicines (Spratt's). Alternative Cooling Tablets 50c. per box, Diarrhoea and Dysentery Cure 50c., Distemper Tablets 75c., Eczema Cure 50c., Locurium Ointment 50c., Mange Cure 50c., Purgative Tablets 50c., Puppy Vermifuge Tablets 50c.

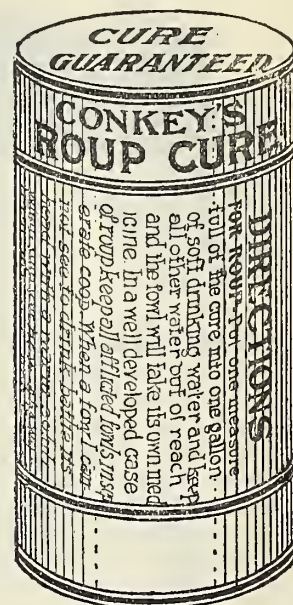
Fairfield's Roup Cure. Per bottle 25c.

Germathol (Pratt's). A germicide and disinfectant. 25c., 50c., \$1.00 per bottle.

Gape Cure (Madoc). ½ lb. 20c., 35c. per lb.

Gape Extractors. Hallowell 10c., Pilling's 25c.

Germozone (Lee's). Tablets or liquid, 50c.



Multum in Parvo. For cholera, roup, etc. Small pkg. 20c., 35c. per large pkg.

Noxicide (Conkey's). For various poultry diseases. A germicide as well as a preventative of poultry ailments. Per pt. 35c., 60c. per qt., per gal. \$1.50.

Roup Cure (Conkey's). Small 25c., medium size 50c., large \$1.00.

Roup Cure (F. P. C.). ½ lb. 20c., 40c. lb.

Roup Pills (Rust's). 50 for 25c., 112 for 50c.

Roup Syringe. 10c. postpaid.



"OCULUM"

Oculation for fowls is a new discovery; it provides one of the best methods of fighting cholera, roup, diarrhea, etc. Besides being a cure for any of the above-named diseases, it also acts as a preventative against future attacks of the same or other diseases, as it practically renders the fowl immune. May be used on chicks and grown fowls with equal success. It acts like magic, the curative effects being noticeable in a few hours. It is absolutely guaranteed to do the work or money refunded. 50c. and \$1.00 per bottle (postpaid). This price includes a glass syringe for injecting.

HEADQUARTERS FOR RECLEANED BIRD SEEDS, Etc.

It pays immensely to buy bird seed from us because it is always fresh; put up every week. We buy the best and then reclean it carefully to remove all impurities. Users will find it the highest grade they ever have had.

Qt. 4 Qts. Peck Bush.

Ants Eggs \$0.50

Canary, plain Sicily .15 \$0.55 \$0.95 \$3.50

" Mixed .. .15 .55 .85 3.50

Hemp Seed12 .35 .50 1.75

Millet Seed (Imported)10 .25 .40 1.30

Parrot Food

(Spratt's), 10c.

pkg., \$1.00 per doz.

Rape Seed (German)15 .50 .90 3.50

Sunflower Seed .10 .30 .55 1.75

Unhulled Rice .. .20 .60 1.10 3.50

Bird Manna. Keeps Canary Birds in prime condition. Pkg. 15c.

Cuttle Fish Bone. 3c. each, 50c. per lb.

Lettuce Seed. 5c. per oz., 10c. per ¼ lb., per lb. 20c.

Maw Seed. ¼ lb. 7c., 20c. per lb., 5 lbs. for 80c.

Song Restorer for Canaries, revives the desire to be lively and sing more lustily.

Price, 10c. per bottle; per doz., \$1.00.

Vetches or Tares for Pigeon Feeding. 10 lbs. 60c., \$1.25 per 25 lbs., 100 lbs. \$4.75.

SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article.

10c. per qt., 4 qts. 30c., 55c. per peck, per bushel \$1.75.



Canary Seed



Parrot Seed

Prices on Bird Seed subject to change

INCUBATORS, BROODERS, ETC.



PRAIRIE STATE INCUBATORS

The Incubator offered here is to-day the most successful, the largest seller, and surest hatcher of any. Its reputation has not been built up quickly like some which have since retired into the field of unusefulness. The Prairie State user is always sure of his money's worth and that he will not have a lot of annoying worry attend the incubation of eggs. The Prairie State has the diffusive air circulation system and sand tray moisture feature and is as faultless as it is possible to make incubators.

No.		Hen Egg Capacity	Duck Egg Capacity	Price
0	Diffusive style	100	75	\$18.00
1	"	150	115	22.50
2	"	240	200	32.00
3	"	300	300	38.00
0	Keystone	50	40	8.00
1	"	100	75	12.00
Gem Incubator (Hot Water).				
	Capacity 60 hen eggs			6.00

CANDEE HOT WATER SECTIONAL INCUBATORS AND BROODING SYSTEMS

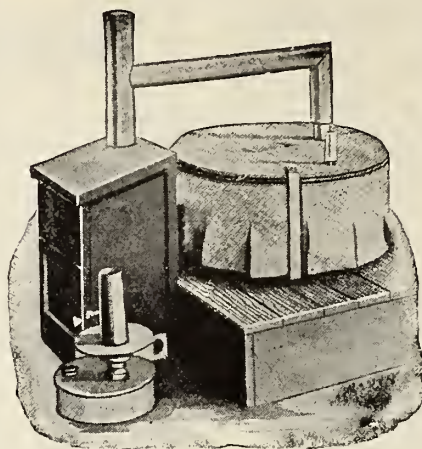
Sectional Incubators. Smallest size, 1,200 eggs, consisting of two sections and hot water heater. Each section has two 300-egg compartments. Any larger capacity made up at any time by adding as many more sections as desired. Each egg compartment has its own regulator, besides the heater regulator. With the double regulation, Candee Incubators can be run at any season.

Brooding Systems. Hot water heater (the healthy heat) and brooders for any number of chicks from 300 upward, also to handle any duck capacity.

Catalogue and Estimates. Equipment supplied according to individual requirements. Write the approximate incubating capacity you figure on and the number of chicks to brood and we will promptly send you specific estimates and prices.

INTERNATIONAL SANITARY HOVER

This has created a great deal of interest. Being invented by a practical poultry raiser, it contains every valuable feature desired in artificial brooding. Made entirely of metal with the exception of the hover cloth, it may be claimed fire-proof. Capacity, 50 chicks. Price, \$8.50 each.



THE UNIVERSAL HOVER

The name implies correctly what the Hover is. It can be attached to any old box, piano case or a brooder you may be using at the present time. Just the thing for one who wants the least expensive but at the same time most efficient brooding device. For equipping large or commercial poultry plants these will be found invaluable.

Universal Hover. With lamp box, complete without regulator, \$7.00. Without lamp box, complete without regulator, \$6.00.

Brooder Regulator. This attachment can be put on the Hover at any time, it can be set to automatically regulate the temperature of the Hover to any desired degree. Price, \$1.00 extra (not mailable).

PRAIRIE STATE BROODERS

With a portable colony brooder the location of a colony may be changed at pleasure. When the soil becomes worn out or the grass in the run well eaten down, if the location proves unhealthful or has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings at almost no expense aside from the labor involved. Prairie State Colony Brooders are all equipped with the famous Universal Hover.

These Combination Brooders are shipped knocked down to save freight. They are put together with screws and hooks, and are easily and quickly assembled.

No. 1—3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator)\$20.00

No. 2—2½ feet wide, 5 feet long, 2½ feet high in front, 20 inches high in back (without heat regulator) 16.00

No. 3—27 inches wide, 4 feet high, 28 inches high in front, 19 inches high in back (without heat regulator).. 12.00

Heat Regulator Attachment \$1.00 extra. (Not mailable.)



LIVE CHICK SHIPPING BOX

Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.

Capacity	Size	Each	Doz.	100
25 Chicks..	12 x 6 x 5..	\$0.12	\$1.35	\$10.00
50 Chicks..	12 x 12 x 5..	.20	1.85	13.50
100 Chicks..	24 x 12 x 5..	.30	3.35	22.50



THE EYRIE SHIPPING COOP

Made of corrugated paper, will carry any distance, saves expressage and always delivers the contents in good shape. Shipped knocked down, and takes up very little space in stock-room.

Letter	Size	Each	Doz.	100
A.....	12 x 10 x 18 in.	\$0.35	\$3.75	\$29.00
B.....	12 x 18 x 22 in.	.40	4.25	32.50
C.....	12 x 22 x 22 in.	.45	4.50	35.00
D.....	20 x 22 x 22 in.	.55	6.00	47.50
E.....	20 x 24 x 24 in.	.65	6.50	52.00

EMPIRE SHIPPING COOPS

This is an entirely wooden coop, used for shipping exhibition birds. They are carefully made and will last many trips, carrying the contents safely. Shipped knocked down.

Single	Bird	Size	Height	Width	Length	Each	Doz.
Trio	"	"	25	18	22	\$0.80	\$9.00
Pen	"	"	25	18	22	.95	10.00
	"	"	25	22	22	1.10	11.00

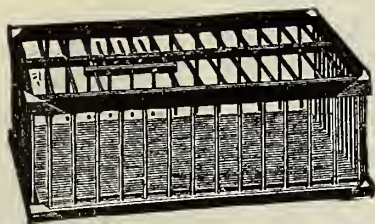
EMPIRE EXHIBITION COOPS

For training and conditioning show birds, as well as for using to exhibit them. These are carefully and substantially made and will materially aid any bird in winning on account of the way they show them off.

Style	Height	Width	Length	Price
AA (for 1 or 2 birds)	27	24	24	\$3.50
C (2 compartments)	27	24	48	5.00
A (3)	27	24	66	6.00
G (4)	27	24	88	7.75

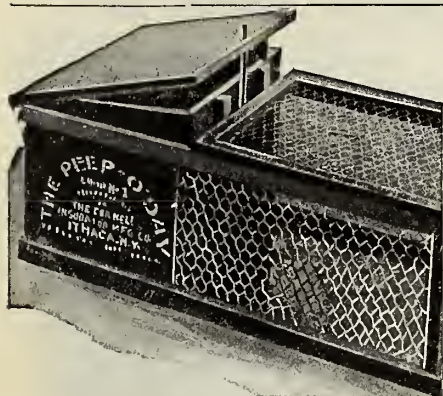
Ask for a Complete Catalog on the Prairie State Line of Brooders, Incubators, Etc.

POULTRY SUPPLIES



THE KEYSTONE SHIPPING CRATE

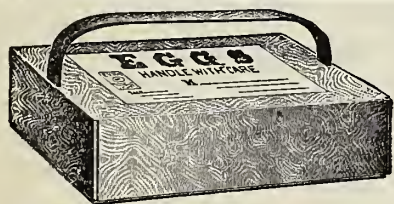
Is made of strong but light wood, securely braced at every joint with patent strap iron, while each corner is secured with a turned strap iron from top to bottom. Weight, about 15 lbs. Size, 1 foot high, 2 feet wide, 3 feet long. Price: \$1.25 each; \$13.00 per doz.



WIGWARM BROOD COOPS

These coops are designed as a suitable place for a hen with a brood of young chicks. They have a removable wooden floor, which insures dryness. The opening of the coop can be closed at night to prevent animals outside getting in.

No. 1 Size, \$3.00 each; 6 for \$17.50; 12 for \$34.00. (Special price f. o. b. factory.) Large Size, \$3.25 each; 6 for \$19.00.



EYRIE EGG BOXES

1 setting, each, 15c.; \$1.50 per doz.; per 100, \$11.00.
2 settings, each, 25c.; \$2.25 per doz.; per 100, \$16.00.

ANDERSON EGG BOXES

These are made of corrugated paper and are similar in every way to the Eyrie box, except they are not equipped with a handle.

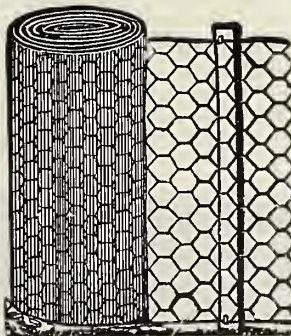
	Each	Doz.	100
One setting	\$0.12	\$1.25	\$9.00
Two "	.20	2.00	14.00
50 egg size	.30	3.00	22.00
100 "	.50	4.75	33.00

We can also supply Safety, Otseltic, Humpty-Dumpty, Perfection and Paper Egg boxes, also revolving Egg Cabinets.



REGAL EGG BOX

The Regal Egg Box is the strongest paper egg-shipping box made. You can jump on it, drop it or abuse it in every way you choose. Each Doz. Per 25 Per 50 Per 100
1 setting size... \$0.20 \$2.25 \$4.50 \$8.75 \$17.00
2 setting size... .35 4.00 8.25 15.00 20.00

WIRE
NETTING

No. 19, galvanized, two-inch mesh, 150 running feet per bale.	Width	Per bale
12 inches	42 inches	\$0.90
18 "	48 "	1.25
24 "	60 "	1.65
30 "	72 "	2.00
36 "		2.40

No. 20, galvanized, one-inch mesh, 150 running feet per bale.	Width	Per bale
12 inches	42 inches	\$1.80
18 "	48 "	2.60
24 "	60 "	3.40
30 "	72 "	4.20
36 "		5.00

Staples, 3/4 inch, for fastening netting, 10c. per lb., 10 lbs. for 85c.

CUT WIRE NETTING

2-in mesh, under 100 sq. ft., 1c. per sq. ft.; 2-in. mesh, 100 sq. ft. and over, 3/4c. per sq. ft.; 1-in. mesh under 100 sq. ft., 2c. per sq. ft.; 1-in. mesh, 100 sq. ft. and over, 1 1/2c. per sq. ft.

PITTSBURG FENCING

The most substantial fencing possible to procure. The joints being welded by electricity, make it exceedingly attractive. It is thoroughly galvanized, extra well made and is the up-to-date fencing for poultry yards, etc. Price for regular style, with top and bottom strands of No. 11 wire; centre of No. 14 wire, in bale lots only, of 165 running feet. Per Bale
24 in. high... \$2.80
36 in. high... 3.75
46 in. high... 4.00

Per Bale
52 in. high... \$4.25
58 in. high... 4.50

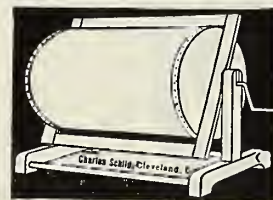
FARMERS'
FEED COOKER

Poultry must have warm food if you expect them to lay in winter when eggs are high.

Prices are for the Cooker complete, for burning wood, one length of 6-in. stove pipe and damper and one 6-in. elbow. Coal grate and lining \$3.50 additional.



No.	Cap.	Gals.	Size	Boller	Length	Fire Box
1	25		22 x 22 x 12		24 in.	\$10.00
2	30		22 x 24 x 13 1/2		24 in.	10.50
3	40		22 x 30 x 14		30 in.	12.00
4	50		22 x 36 x 15		36 in.	13.00
5	75		22 x 48 x 17		48 in.	15.00
6	100		22 x 60 x 17		60 in.	17.00

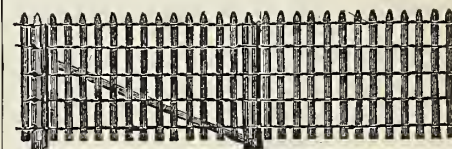


POULTRY DUSTER

These are excellent for ridding fowls of lice. Put a number of them in machine at one time, and a few turns does the work with the aid of a lice powder.

No. 1. Small size \$2.50
" 2. Medium size 3.00
" 3. Large size 4.00

SPECIAL POWDER for using in these machines, 25c. pkg.



WOVEN CEDAR PICKET FENCING

Is tailor-made compared to the ordinary kinds of ready made fencing. Will wear for years absolutely without paint. Readily put up and saves time, labor and expense of fence building. It is far ahead of and will outwear the old style wire fence by many years. In handy rolls of 50, 75 and 100 ft. only:

3 ft. high, with 4 gal. steel double wire cables, 6c. per running foot.
4 ft. high, with 5 gal. steel double wire cables, 7 1/2c. per running foot.
5 ft. high, with 6 gal. steel double wire cables, 10c. per running foot.

State height and length of roll required when ordering.

POTTER HENNER Y OUTFIT

These equipments combine a practical roost and nesting system. They are made in a wide variety of styles and sizes. We will be pleased to send a catalogue on these to anyone interested.

All prices subject to market changes

POULTRY SUPPLIES

THE GATE TRAP NEST FRONT NORWICH AUTOMATIC FEEDER

A trap nest, worked by the hen, arresting it every time; of simple construction, cannot get out of order, must last a lifetime and will never frighten a hen.

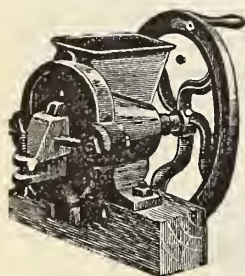
Please note, we furnish fronts only, attachable to a square box of suitable size.

Each, 50c.; \$5.50 per doz.; per 100, \$42.50.



WILSON'S No. 1 MILL

This Mill is adapted for grinding oyster shells, dry bones, corn meal, etc., and by means of a regulating screw on the back can be made to grind any desired fineness, \$4.50; \$6.50 with Legs and Stand.



STANDARD GREEN BONE MILLS

- | | |
|---------------------------------------|--------|
| No. 10, for bench use, crank handle.. | \$6.75 |
| " 9, for bench use, wheel handle.. | 8.80 |
| " 8, with stand, wheel handle.... | 10.50 |
| " 7, for bench use, wheel handle.. | 12.00 |
| " 6, with stand, wheel handle.... | 14.50 |
| " 3, for power or hand use..... | 17.75 |
- Also numerous other sizes.

MANN'S GREEN BONE MILLS

- | No. | Each |
|--------------------------------------|--------|
| 5-C with crank handle | \$6.00 |
| 5-B with balance wheel | 8.00 |
| 5-B M with balance wheel and stand.. | 10.40 |
| 7 with balance wheel | 12.00 |
| 9 with balance wheel | 18.40 |
| 11, for power | 26.00 |
| 12, for power | 30.00 |

THE STOVER FEED MILL

This is the best mill that was ever offered to the poultryman. It will crack wheat, corn, grind oats or any other dry feed quicker, better and with greater ease than other mills. Its adjustment is rapid and simple; any desired fineness can be obtained; a child can run it.

No. 32.....\$4 00 | No. 35.....\$6.50



It is but necessary to fill the Hopper with such grain feed as may be desired, filling the Feed Bar and adjust the valve at the bottom of the Hopper to feed in such quantities as desired. Set the machine anywhere, give the Feed Bar a turn or two, and in ten to fifteen minutes every hen in the flock will take in the situation and work it.

- | | | | |
|------------------|--------|------------------|--------|
| No. 1, 8-qt. .. | \$2.50 | No. 3, 20-qt. .. | \$4.10 |
| No. 2, 14-qt. .. | 3.25 | No. 4, 32-qt. .. | 5.00 |



JERSEY AUTOMATIC FEED HOPPERS

This type sets lower to the ground than the Norwich style, also less expensive.
Baby Chick Size \$0.90 | Medium Size \$2.00
Small Size..... 1.50 | Large Size.. 2.50



WORCESTER GREEN FEEDER

This is the first device of its kind for holding green feed or litter, such as greens, grass, etc. Making it possible for all to be consumed, allowing none to be trampled under foot. \$1.25 each.



POULTRY HOLDER

Holds any size from the smallest squab to the largest rooster; malleable iron.

Each, 40c.; \$4.25 doz.

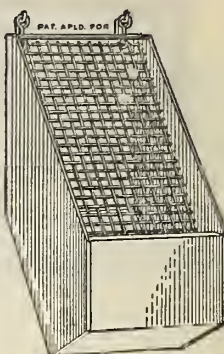
THE BOSTON DRY FOOD HOPPER

Adapted for feeding mash, grain, meat or any dry food, positively prevent waste. Made of galvanized iron and wire.

Small Size, for Brooders, \$1.00 each.

Medium Size, Capacity 8 qts., for grit, shell, meat, etc., 90c.

Large Size, capacity 16 qts. for grain, and mash, \$1.00.

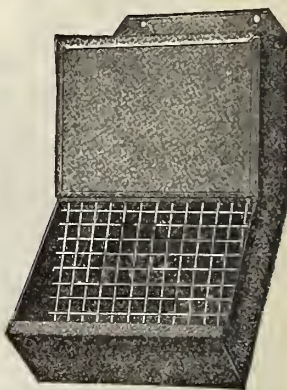


"SEXTONS" DRY FEED HOPPER

This Hopper is arranged to hang on the wall and never need be removed to be refilled.

It is impossible to waste any feed, as the pan at the bottom catches any that may be picked out and dropped, the last grain is used. The body being covered keeps feed clean, and always dry.

- | | Each | Doz. |
|---------------------------|--------|---------|
| No. 1, Poultry size | \$1.00 | \$11.00 |
| " 2, Chicken size | .90 | 9.50 |



GRIT BOXES

Perfect Galvanized Iron, with three spaces, 50c. each; per doz., \$5.50.

Perfect Galvanized Iron, large size with three spaces, 75c. each, per doz., \$8.50.

Wooden, extra strong, 35c. each; per doz., \$4.00.

Galvanized Iron (Prairie State Style). 50c. each, per doz., \$5.25.

Galvanized Iron (Three-in-One Style). A combination box capable of one, two or three compartments, 75c. each; doz., \$8.50.

Beef Scrap and Dry Food Hopper (Prairie State). Galvanized iron with a capacity of 10 lbs. 50c. each; doz., \$5.25.

PRAIRIE STATE DRY MASH HOPPER

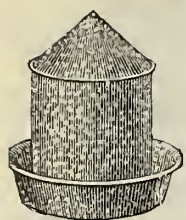
Made of galvanized iron with a capacity of 25 lbs. Equipped with a lid, so that the supply of food may be cut off any time desired. Price, \$1.75.

WIRE HEN'S NEST

Sanitary, easily cleaned and convenient to handle. 15c. each; per doz., \$1.25.



POULTRY SUPPLIES

DRINKING
FOUNTS

Philadelphia Galv.

Capacity	Each	Per Doz.
1 qt.	25c.	\$2.50
2 qts.	35c.	3.50
4 qts.	50c.	5.00
8 qts.	75c.	7.50

Philadelphia Stone Fount

1/2 gallon size	.....	30c. each; dozen,	\$3.25
1 " "	.....	45c. " "	4.50

Nesco Galvanized Fount

1 qt.	.....	25c. each; per doz.,	\$2.50
2 " "	.....	30c. " "	3.00
4 " "	.....	45c. " "	4.00
8 " "	.....	65c. " "	6.00

Hooded Stone Founts

Capacity	Each	Doz.	Capacity	Each	Doz.
1 pt.	25c.	\$2.25	4 qts.	60c.	\$6.25
1 qt.	30c.	3.00	6 " "	75c.	7.75
2 " "	40c.	4.25	8 " "	85c.	8.00
3 " "	50c.	5.25			

Sanitary Fount, Galvanized Iron

1 gallon	.....	50c. each; per dozen,	\$5.50
2 " "	.....	85c. " "	9.00

Peerless Fount, Galvanized Iron

Two-gallon size, plain, 75c.; with lamp attachment, \$1.75. One qt. chick size, 35c. each; per doz., \$3.75.

Acme Fount, Galvanized Iron

Capacity	Each	Doz.
1/2 gallon size	\$0.50 \$5.75
1 " "75 8.50
2 " "	1.00 11.00

Hub Fount, Galvanized Iron

1 gallon size	.....	\$0.50 \$5.50
2 " "	.....	.75 8.50

Prairie State Duck Fount

Galvanized iron, 2 gallons capacity, \$1.00 each.

Aluminum Chick Fount

25c. each; per dozen, \$2.75.

Pineland Pigeon Fount

2 gallons capacity, 85c. each.

Philadelphia Pigeon Fount, \$2.00 each.

Moe's Top Fill Galvanized Founts. 5 qt., \$1.25; 10 qt., \$1.75 each.

Drinking Cups for cages (galvanized iron), capacity 1/2 pint. 15c. each; per doz., \$1.50.

Prairie State Fountains

(Galvanized Iron.)

	Each	Doz.
1 qt.	\$0.25 \$2.25
2 qt.30 2.75
1 gal.40 3.75
2 gal.60 5.25

SANITARY CHICK FOUNT

An entirely new feature. It is exceedingly practical so far as its actual use is concerned as chicks cannot upset it or get wet. Capacity, 1 quart, 30c. each; per doz., \$3.00.



DRINKING FOUNTS

Norwich Old Style Automatic Fount. Complete with directions, \$1.00 each.

Norwich Air Lock Automatic Non-Freezing Fount. This is the fount for cold weather or in fact for any season of the year. Made of galvanized iron, thoroughly indestructible. It is a truly wonderful invention and must be seen to be appreciated. Capacity, 5 gals., \$2.50 each.

Lathrop Fount or Chick Server. Used for feed or water. Galvanized iron. 30c. each; per doz., \$3.00.

CHICK FEEDERS

SINGLE

Apex Style

	Each	Doz.
3 hole	\$0.25 \$2.35
6 " "40 4.00
9 " "50 5.25
12 " "75 7.75

DOUBLE

Apex Style

	Each	Doz.
6 hole	\$0.40 \$4.00
10 " "55 5.75
14 " "75 7.75

SANITARY FEEDER

A flat galvanized iron chick tray with stalls or partitions; 10 inches long, 3 1/2 ins. wide. 25c. each; doz., \$2.75.

PEERLESS FEEDER

A handy galvanized iron device which is perfectly sanitary; chicks cannot get into it with their feet; mice and rats cannot get into it when turned up, to stop the flow of feed.

	Each	Doz.
Small, 9 inches long	\$0.35 \$4.00
Large, 15 inches long50 5.50



WALL FEED PANS

Made of galvanized iron, 23 inches long; capacity, 3 qts. 40c. each; 6 for \$2.10; \$4.00 per dozen.

12 inch size, 30c. each; doz., \$3.25.

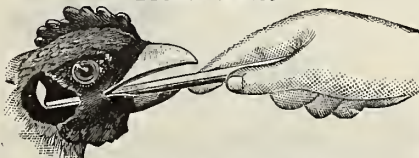
PRAIRIE STATE FEED TRAYS

(Made of Wood.)

No.	Length	Each	Doz.
1.	18 inches long	.....	\$0.20 \$2.00
2.	24 " "	.....	.25 2.50
3.	30 " "	.....	.30 3.25



French Knife



KILLING KNIVES

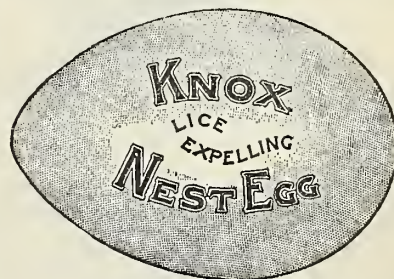
Progressive. Price, 50c. (by mail, 55c.). French. Price, 50c. (by mail, 55c.).

EGG TESTERS

Magic. Determines the fertility of eggs before setting them, which eliminates the testing out process. Price, \$2.00 (post-paid).

Firefly Electric. Will test from 8,000 to 10,000 eggs without recharging. Price, \$5.00.

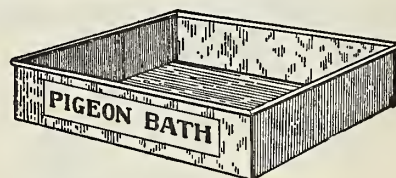
Philadelphia. Made of tin and mica. Price, 25c.



NEST EGGS

Knox Lice Expelling. These are made of naphthaline, and are an ideal substitute for the natural egg, which they closely resemble. 6c. each; per doz., 60c.; \$4.25 per 100.

Porcelain, 3c. each; per doz., 25c.; \$1.75 per 100.



PIGEON BATHS

Sanitary (see cut). Galvanized Iron, \$1.00 each; doz., \$11.00.

Philadelphia. Galvanized Iron, \$2.00 each.

LEG BANDS

For Poultry and Pigeons

	Per 25	100
Climax	\$0.25 \$0.65
Eclipse25 .65
Smith Sealed45 1.50
Double Clinch25 .65
Champion25 .65
Celluloid, large45 1.50
Pigeon, Open25 .65
" Celluloid35 1.25
Pigeon Seam-	
less50 1.50
Pigeon, Double	
Clinch25 .65

Lettering Bands, either pigeon or poultry, 10c. per doz. or 100 extra.

GAPE WORM EXTRACTORS

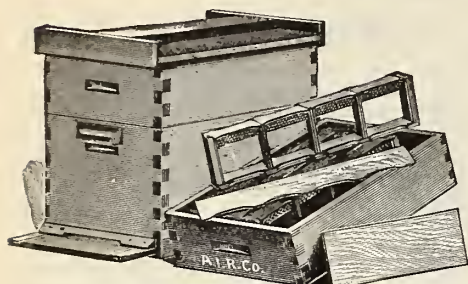
Hallowell, Silver and Horse Hair, 10c. each; \$1.00 per dozen.

Pilling, made of German Silver, 25c.



Pilling Gape Extractor

BEE AND DAIRY SUPPLIES



BEE HIVES

The Dovetailed hive is the most improved type, enabling a person to handle bees quickly and with accuracy. It is made of best quality material and can be purchased set up or in the flat, prices being quoted either way.

No. AE 66. Two-story hive for extracted honey with one-inch foundation starters, complete with 8 frames. Set up and painted, \$3.75. In Flat, not set up, \$2.75.

No. AE 644 P. Two-story hive for comb honey with sections and foundations with one-inch foundation starters, fitted with $4\frac{1}{4} \times 1\frac{1}{2}$ plain, or $4\frac{1}{4} \times 1\frac{1}{8}$ Beeway sections. Set up and painted, \$4.50. In Flat, not set up, \$3.50.

SECTION HONEY BOXES

	Per 100	Per 1000
$4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{8}$ with Beeways...	\$0.85	\$5.75
$4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{2}$ with no Beeways	.80	5.50

WEED NEW PROCESS FOUNDATION STARTER

	Per lb.	Per 5 lb.
Medium Brood. For brood frames	\$0.60	\$2.90
Light Brood. for brood frames	.60	2.90
Thin Super. For section boxes	.67	3.25
Ex. Thin Super	.72	3.50

HOFFMAN FRAMES

This foundation frame is self-spacing, therefore especially popular with the amateur as well as professional bee keeper. Price, with foundation starters and set up, 25 for \$1.50, \$5.75 per 100.

BEE BRUSHES

For brushing bees off combs when extracting honey.

Cogshall Make	\$0.20
Dixie Make	.20
German Brush	.30

BEE GLOVES

Made of heavy drilling. We can furnish them with exposed or closed fingers. 55c.

BEE ESCAPES

These will be found of great value when taking off honey.

Fig. 81. For use in hives	15c. each
Fig. 82. For use in work-rooms	20c. "

BEE HAT

With flexible rim to fit any head, 35c.

FOUNDATION FASTENERS

An apparatus for folding section boxes and attaching foundation starters to same.

Daisy Style, with lamp	\$1.10
Root " " "	1.55

HONEY JARS

	No. per case	Price per case
Taper Panel Style, $\frac{1}{2}$ lb.	24	\$0.90
" " 1 lb.	24	1.10
Simplex Style, 1 lb.	24	1.20
Premium Style, pints	12	.85
" " quarts	12	.90
" " $\frac{1}{2}$ gallons	12	1.20

HONEY KNIVES

For uncapping, scraping bottom boards, transferring and cutting chunk honey out of frames.

Novice style	\$0.80
Bingham Improved	.75

BEE SMOKERS

Root Jumbo, 4 inch	\$1.25
" Standard, $\frac{3}{4}$ inch	.85
" Junior	.65

HONEY EXTRACTORS

No. 5B. Novice	\$9.50
No. 15B. Cowan	12.50
No. 25B. Root Automatic	26.00

MAMUM SWARM CATCHERS

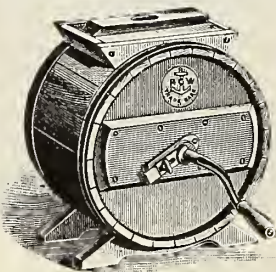
For collecting bees prior to putting them in hives.

With pole, \$1.25; without pole, \$1.00.

BEE VEILS

These are worn on the head and face to prevent being stung when working among bees.

Globe Style, complete	\$1.00
No. 1, made of silk	.90
No. 2, made of cotton and silk	.60
No. 3, made of cotton	.50



RICHMOND BUTTER CHURNS

Made of first quality white cedar and carefully finished, easily cleaned.

1-3 gals	\$2.00
2-4 "	2.50
3-7 "	3.00

SPAIN'S BUTTER CHURN

These are set up on a stand, the churn proper being barrel shaped.

No. 1-9 qt. churning capacity	\$5.90
No. 2-15 qt. churning capacity	6.60
No. 3-20 qt. churning capacity	7.10

BUTTER PADDLES

4-inch blade, 25c.; 5-inch, 30c.; 6-inch, 35c.

BUTTER PRINTS

Quaker City Style

1 lb. size	\$1.50
$\frac{1}{2}$ " "	1.50



BULL RINGS

Made of copper, working on a screw hinge. Price, 35c.

Illustrated Catalogue on Bee Supplies Free

BUTTER PAPER

In packages of 1000 sheets only.

6 x 8 inches	\$0.45	7 x 9 inches	\$0.60
6 x 9 inches	.50	8 x 11 inches	.80

BUTTER COLORING

25c., 50c. and \$1.00 per bottle; per gal., \$2.25.

BUTTER BOWLS

13-inch, 25c. | 15-inch, 35c. | 18-inch, 70c.

MILK STRAINER

The bottom is arranged with a hoop so that a gauze cloth can be used in addition to the regular brass strainer cloth.

Economy Style, complete, 85c.

Sanitary Style, complete, \$1.75.

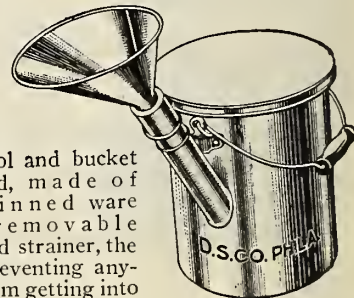
IRON CLAD BUTTER BOXES

With ice compartments for shipping to city or seashore homes.

6-lb. capacity, \$3; 12-lb., \$3.50; 20-lb., \$3.75.

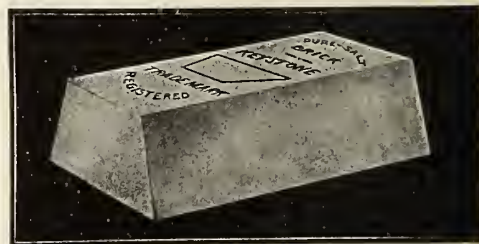
We can also supply larger sizes.

PERFECT MILKING PAIL



A stool and bucket combined, made of heavy tinned ware with a removable cover and strainer, the latter preventing anything from getting into the milk. Price, \$3.75.

Galv. Water Buckets, 12 qt., 35c. each.
Cedar Water Buckets, 12 qt., 75c. each.



SALT BRICKS

For Dairy Cows, Horses and other animals. Per brick 20c., \$2.25 per doz.

Salt Brick Holders. 35c. each, \$3.25 doz.



CALF WEANERS

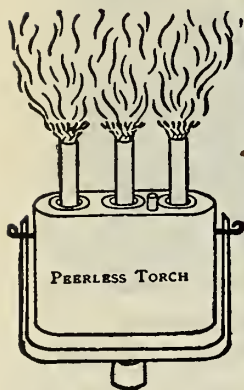
No. 1, for calf under one year, 35c.

No. 2, for calf over one year, 50c.

No. 3, for cows, 75c.

We can also supply all other Bee and Dairy Appliances

SPRAYING AND INSECTICIDE APPARATUS, ETC.



PEERLESS TORCH



Asbestos Torch



OIL TORCHES

For burning out worms, caterpillars and nests that infest trees.

Peerless \$0.50
Reservoir25
Asbestos40

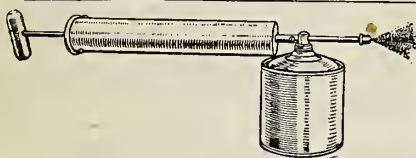
Reservoir Torch

POLES FOR TORCHES

Hickory wood. 12 feet, 45c.; 14 feet, heavy, 80c.; 16 feet, heavy, \$1.00.

MICHELL'S SPRAY BOOKLET

To guide the inexperienced in the proper selection of insecticides, as a remedy against insects and tree and shrubbery diseases, we have compiled a booklet which is complete in detail and a ready help to the gardener. This booklet is free and may be had for the asking.



AUTOMATIC COMPRESSED AIR SPRAYER

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies' use.

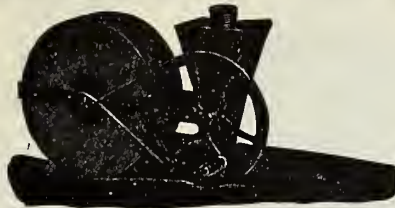
Tin . . . each, \$1.00 | Brass . . each \$2.00



CYCLONE HAND SPRAYERS

Similar to the above except they do not have the automatic air reservoir attachment.

Tin . . . each, \$0.50 | Brass . . each, \$1.00



SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Price, \$4.50.

FUMIGATORS

Perfection Make

Fitted with a water tank to prevent burning out.

No.		
1	for house 12x40 ft.	\$3.00
2	" " 15x100 ft.	3.50
3	" " 20x100 ft.	4.00
5	" " 20x150 ft.	5.50

Eureka Make

No.		
1	for house 10x20 ft.	\$1.25
2	" " 12x40 ft.	1.75
3	" " 15x100 ft.	2.25
4	" " 20x100 ft.	3.25



Eureka



VAPORIZING LAMP

Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicotinic, Tobacco and other preparations of this sort. 50c. each.

Vapor. Lamp

CAMPBELL'S SULPHUR VAPORIZER

This apparatus is designed to safely vaporize sulphur in greenhouses; to kill mildew and other fungus diseases affecting roses, vines, cucumbers, tomatoes, chrysanthemums, strawberries, peaches, and, in fact, any plant; also destroys red spider infesting vines, crotons, asparagus, fern and other plants.

No. 2—Capacity, 6 ozs. of sulphur; sufficient for a house of 10,000 cubic feet capacity. Price, \$7.75.

PARTS FOR CAMPBELL SULPHUR VAPORIZERS

Sulphur Receptacles, each, \$3.50.
Glass Balls, 3c.; 30c. dozen.
Wicks, for either size, 20c. yard.



Sulphur Vapor.

DORRANCE SULPHUR BURNER

An excellent Apparatus for dispensing sulphur fumes. Made entirely of copper; indestructible and will last forever. Price, \$5.50.

PARIS GREEN SHAKERS

Tin. For dusting vegetables, potatoes, small fruits and shrubbery, 50c. each.

Farmer's Favorite. (See cut.) Large double-action affair, \$1.25 each.



DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 25c.; by mail, 35c.

"Acre An Hour" Sifter. 75c. each.

CHAMPION GUN

This machine will distribute dry insecticides, covering one or two rows at one time. Will save its price in material used in one season. Price, \$8.00.



THE BROWNIE DUSTER

BROWNIE GUN

This machine is especially intended for distributing Paris Green, London Purple, etc. Price, \$4.00.



WOODASON HAND BELLOWS

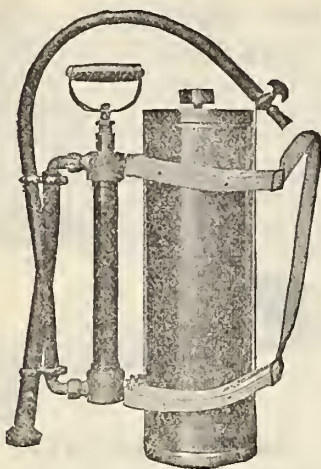
Large double cone, each \$3.00
Large single cone, each 2.00
Small single cone, each 1.10
Liquid spraying, each small, \$1.50;
large 2.00
Sulphur Bellows, each 1.50

JUMBO POWDER GUN



Very useful in the dwelling or for other places. Distributes dry powder very satisfactorily. Price, 20c.

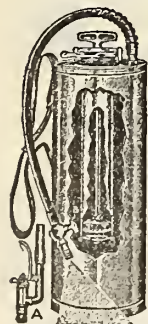
MICHELL'S RELIABLE SPRAYING APPARATUS



THE BIDWELL COMPRESSED AIR SPRAYER

Of all the compressed air sprayers on the market this is absolutely the best one; the heavy copper tank has a capacity of 5 gallons; the pressure capacity is 45 pounds. Unlike most other sprayers which have to be pumped several times to empty their reservoir, this one will empty the contents with one charge; the pump is independent of the tank and every part can be gotten at. The entire apparatus is so constructed that it will appeal instantly to anyone who wants a high grade outfit. Every piece is brass and copper except the hose and washers, and with ordinary care it will last a lifetime. The liquid is pumped into the reservoir through the same hose which takes in the air; positively the best Knapsack sprayer ever invented and the only one ever equipped with a practical air pressure gauge. Fitted with a famous Winkle-Mist nozzle; full directions with each one, together with our full guarantee. Price, **\$15.00 each.**

THE AUTO SPRAY



Auto Spray
showing Auto
Pop Attachment

Auto Pop Nozzle Attachment controls the flow instantly by a pressure of the hand. When Auto Pop Attachment is purchased separately, \$1.35 each.

Now used by all the large fruit growers. It operates with compressed air; safe and efficient; liquid capacity, 4 gallons; pressure capacity 40 lbs.

No. 1-A **Brass** equipped with hose and regular nozzle, \$6.75.

No. 1-B **Brass** equipped with hose and Auto-Pop Attachment, \$7.25.

No. 1-C **Galvanized Iron** equipped with hose and regular nozzle, \$4.50.

1-D **Galvanized Iron** equipped with hose and Auto-Pop, \$5.00.



COPPER STRAINER

For straining white-wash, spraying material, etc. \$1.00 each.



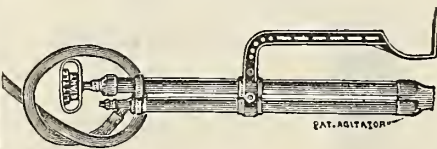
DEMING BUCKET PUMPS

These are made entirely of brass except the foot rest, bucket fastener and hand grip. For years we have sold them with entire satisfaction. The prices below do not include bucket, but include nozzle and 3½ feet of ¾ in. hose.

Success Pump

Success (without bucket fastener)....\$4.15

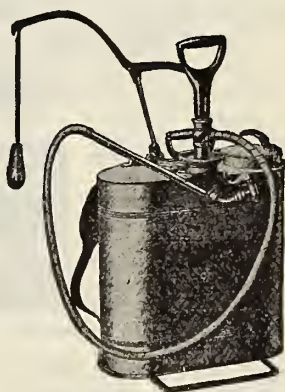
Perfect Success (with bucket fastener) 4.35



MYER'S BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer.

Price \$3.00, including hose and nozzle.



DEMING KNAPSACK SPRAYERS

These are elegant for carrying around the garden, among shrubbery, etc., and also for tree work.

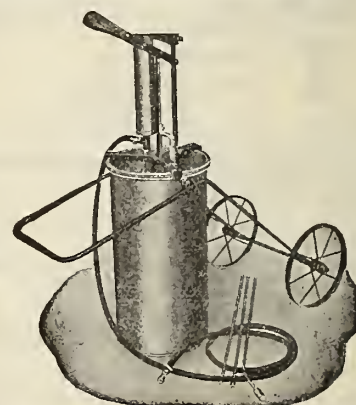
Fig. 675. Copper tank, holding about 5 gals., complete, with pump, nozzle and hose\$14.50

Fig. 654. Galvanized tank, holding about 5 gals., complete, with pump, nozzle and hose 9.50



GARDENER'S CHOICE SPRAY OUTFIT

Here is an equipment that is easily worth \$5.00 more than we ask for it; truly it is the greatest value in spray pumps we have; the reservoir holds 25 gals.; the pump has brass cylinder, and it is a complete equipment with hose and nozzle. Price, \$13.50.



No. 3 Paragon Sprayer

THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir; although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or cold water paint.

No. 0.—Equipped with a 3-gal. reservoir, 4 ft. of hose, nozzle and extension pipes. Price, \$7.50.

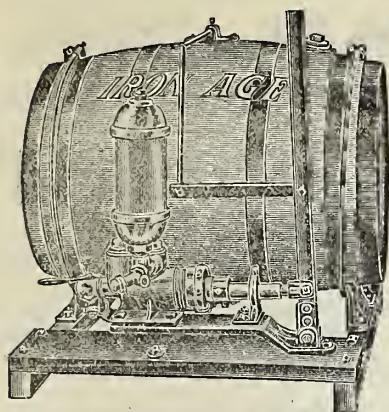
No. 1—With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$10.00.

No. 3—Equipped with a 12-gal. tank mounted on a truck, three 2½-ft. extension pipes, 2 nozzles and 10 ft. of hose, \$15.00.

No. 4 (see next page)—Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose, and 2 nozzles. Complete, \$22.00.

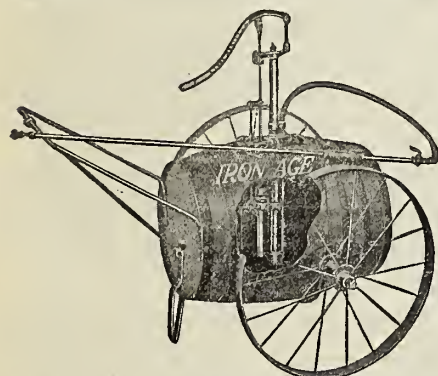
JUNIOR SPRAY PUMP

No. 5—For bucket use; the pump works on a spring device, making compression which discharges the liquid. The most practical bucket pump for one person to use. All brass and excellent value. Just the thing for the man with a small fruit garden, a few trees or a hen house that needs spraying. Complete with hose and nozzle. Price \$3.00.

**IRON AGE SPRAYER NO. 190**

This is an ideal equipment to mount on a flat wagon, cart or sled. It is complete in every detail. Equipped with a 50-gal. barrel, large air chamber with a pressure capacity of 125 lbs., automatic agitator, brass bronze ball valves, woven hemp packing, which is easily replaced. No leather or rubber to give trouble. All working parts of the pump are outside, can be gotten at easily.

Price, no hose or nozzle, \$20.00; with 15 ft. $\frac{1}{2}$ -in. hose, 1 nozzle, \$23.50; equipped with 2 15-ft. lengths of $\frac{1}{2}$ -in. hose, 2 nozzles, \$27.00.

**IRON AGE SPRAYER NO. 197**

A perfect outfit for gardens, small farms, poultry, plants, etc.; capacity, 20 gals. Pump all brass with a 6-inch stroke, large air chamber with a 100-lb. pressure capacity; bronze brass ball valves of easy access. Equipped with a perfect agitator, 4 feet of extension rod with hand grip and 4 feet of $\frac{1}{2}$ in. hose, stop cock and nozzle. \$16.00.

EXTENSION PIPES, Etc.

For reaching into trees, $\frac{3}{4}$ -inch threads.

Bamboo, with brass tube, 8 ft. \$2.00

" " " " 10 ft. 2.50

Galv. Iron, 2 ft., for Auto Sprays.... .30

Brass, 2 ft., for Auto Sprays..... .45

Pet Cock, for extension pipes..... .40

Iron Age. Fig. 419—Steel pipe 10 ft. long, with an angle connection, stop cock, 2 hand grips and drip guard, for $\frac{1}{2}$ -in. thread. Price, \$2.50.

Iron Age. Fig. 420—Bamboo casing with brass pipe inside, with angle connection, stop cock, 2 hand grips and drip guard, 10 ft. long for $\frac{1}{2}$ in. thread. Price, \$3.50.

Paragon Extensions, 2 $\frac{1}{2}$ ft. 50c. each.

**IRON AGE
SPRAYER
NO. 194**

For the small orchard, farm or garden, can be attached instantly to any barrel. The pump and all working parts except agitator and suction pipe are on the outside. The latter is equipped with a bronze ball valve, which adds to its power and efficiency; packing, woven hemp, easily replaced. A pressure of 125 pounds can be maintained.

Price, without barrel hose or nozzle, \$10.00. Price, with 15 ft. $\frac{1}{2}$ -in. hose, nozzle, no barrel, \$13.50. Price, with barrel, 15 ft. $\frac{1}{2}$ -in. hose and nozzle, \$17.00.

**NO. 194 T. I. A. SPRAYER**

The equipment above with a 2 $\frac{1}{2}$ -in. iron tire wheel-truck and barrel, without hose or nozzle, \$22.50, or \$26.00 with 15 ft. hose and nozzle.

IRON AGE SPRAYER NO. 195

This is really a duplicate of pump No. 197, described in the opposite column, except that it is adapted or equipped for bucket use. The pump is securely fastened to a cedar bucket of 16 qts. capacity, nicely painted. The equipment can be picked up and easily moved from place to place. Equipped with a 2-ft. extension rod, a Vermorel nozzle with an extra solid stream cap and 4 ft. $\frac{1}{2}$ -in. hose. Price, \$8.00.

**LEWIS' SHEET BRASS SYRINGE**

Capacity about 1 quart, \$1.75.

HEAVY BRASS SYRINGES

Made of heavy sheet brass which will last many years with a little care.

A—1 stream and spray rose, 12 in. \$2.00

B—1 " " " " 13 " 3.00

C—1 " " " " 14 " 3.25

5—1 " " " " 18 " 5.50

H—18 in. long, 1 $\frac{1}{2}$ in. diam. 2.50

SPRAY NOZZLES ($\frac{3}{8}$ in. thread)

Bordeaux and Vermorel.....each, \$0.75

Mistry, Jr.90

Winkle Mist75

Paragon style35

Duplex Vermorel (2 nozzles)..... 1.50

Triple Vermorel (3 nozzles)..... 2.25

Quadruple Vermorel (4 nozzles)..... 2.50

Duplex Mistry (2 nozzles)..... 3.00

For $\frac{3}{4}$ -in. connections add 25c.

SIMPLEX BARREL PUMP**Simplex Pump**

Outfit B—Pump, with two 12 $\frac{1}{2}$ -foot sections of $\frac{1}{2}$ -in. hose, two Bordeaux or Vermorel nozzles, pole connection, no barrel. Price, \$12.50.

One of Deming's very best sprayers. Fitted with brass cylinders. Equipped with an automatic agitator. Will throw a stream 40 feet. Plain Pump, no hose, nozzle or barrel. \$7.50.

Outfit A—Pump, with 12 $\frac{1}{2}$ ft. $\frac{1}{2}$ -in. hose, fitted with a Bordeaux or Vermorel nozzle and pole connection for reaching into trees, no barrel. \$10.00.

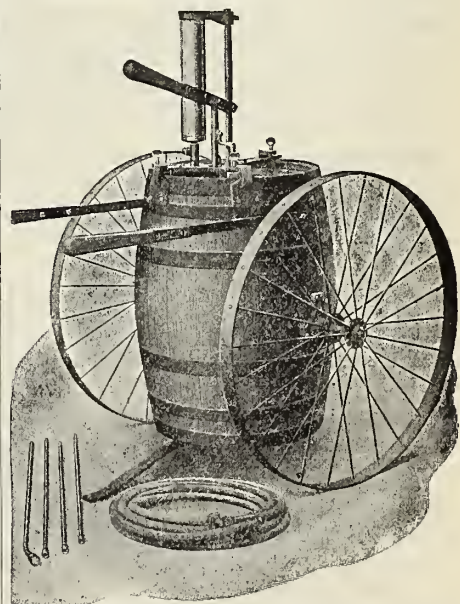
CENTURY PUMP

A very powerful pump; working parts are entirely of brass; has large air chamber; also a perfect agitator and a long fulcrum link, which enables the operator to work the pump with little effort.

Price for pump, no barrel or hose, \$10.50.

Price, complete, with 12 $\frac{1}{2}$ -ft. $\frac{1}{2}$ -in. hose and nozzle, no barrel, \$13.00. Price, with two 12 $\frac{1}{2}$ -ft. leads, hose and nozzles, no barrel, \$15.00.

Barrels, with cut head, \$3.25.

**NO. 4 PARAGON SPRAYER**

Designed for spraying whitewash and water paints in poultry houses and buildings, also for spraying trees and shrubbery. Equipped with 10 feet of extension pipe, 20 feet 6-ply hose and 2 spraying nozzles. Price, complete as in cut, \$22.00, or with barrel, but no truck, \$17.00.

VERMIN AND INSECT DESTROYING PREPARATIONS, ETC.

Prices Subject
to Change

Ant Exterminator. A powder that is used for distributing around buildings, on the greenhouse benches, on lawns, gardens, and any other places infested by ants. Per $\frac{1}{4}$ lb. 20c., per $\frac{1}{2}$ lb. 40c., 75c. per lb.

Aphine. For destroying aphids, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. $\frac{1}{4}$ pt. 25c., 40c. per $\frac{1}{2}$ pt., pt. 65c., \$1.00 per qt., per gal. \$2.50.

Aphis Punk. A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphids, thrip, white and green fly, also red spider. (For use in greenhouses only.) Per pkg. 60c., \$6.50 per 12 pkgs.

Arsenate of Lead. For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds, especially valuable for spraying to prevent the codling moth. It comes in paste form, and dilutes 1 lb. to 25 gals. water. Per lb. 25c., 90c. per 5 lbs., per 10 lbs. \$1.60, \$3.75 per 25 lbs., \$6.00 per 50 lbs., per 100 lbs. \$10.00.

Arsenate of Lead (Bowker's Disparene Brand). Easy to apply and won't injure the most delicate foliage on trees. 1 lb. dilutes to 25 gals. of water. It sticks like paint to the foliage. 1 lb. 25c., 5 lbs. 90c., \$1.60 for 10 lbs., 25 lbs. \$3.75, \$6.50 per 50 lbs.

Black Leaf 40. A concentrated solution of Nicotine Sulphate, an excellent spray for black aphids sucking insects of all kinds; dilutes 1 part to 900 or 1000 parts of water, according to treatment. Full directions on each package. $\frac{1}{2}$ lb. 85c., \$3.25 per 2 $\frac{1}{2}$ lbs., 10 $\frac{1}{2}$ lbs. \$12.50.

Bordeaux Mixture. Used principally for mildew, blight and fungous diseases that affect potatoes and fruit trees. *Paste Form:* 1 qt. 40c., \$1.00 per gal., 5 gals. \$4.50. One gallon makes 50 gallons material. *Dry Form:* 6-lb. sack (makes 30 gals.) 70c., \$1.00 per 10-lb. sack (makes 50 gals.).

Boro-Wax. For painting trees to destroy and keep away borers. 45c. per qt., per gal. \$1.25.

Bug Death. Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb. 15c., 35c. per 3 lbs., per 5 lbs. 50c., per 12 $\frac{1}{2}$ lbs. \$1.00, \$7.50 per 100 lbs. (Special Shaker for Bug Death, 25c.)

Carbolineum. A germicide and disinfectant, also an excellent wood preserver when used as a paint. \$1.25 per gal.

Cow Ease. Excellent for keeping flies and gnats off domestic animals. Applied with a sprayer or a sponge. Per qt. 35c., \$1.00 per gal., per 5 gals. \$4.00.

Copper Solution. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt. 60c., \$1.75 per gallon.

Dalmation or Persian Powder. For ridding buildings of all kinds of various insect pests. Particularly for the smaller and creeping kinds, as it is not strong enough to destroy large or more hardy insects. 15c. per $\frac{1}{4}$ lb., per lb. 45c., \$2.00 per 5 lbs.

Disparene (Bowker's). A trade name for a brand of Arsenate of Lead, which it resembles in every way. Dilute 1 lb. to 25 gals. water. Price, 25c. per lb., 5 lbs. 90c., \$1.60 per 10 lbs., 25 lbs. \$3.75, \$6.50 per 50 lbs.

Fir Tree Oil. Used for destroying mealy bug, red spider, and mild forms of scale. Also to spray for thrip, green fly, etc. It is diluted in water according to directions for various purposes. Per $\frac{1}{2}$ pt. 50c., 75c. per pint, per qt. \$1.50, \$2.75 per $\frac{1}{2}$ gal., per gal. \$5.00.

Fir Tree Oil Soap. This is very much like the Fir Tree Oil, except that it is in the shape of soft soap, and many prefer to use it in that way. It is dissolved according to directions in warm or hot water and used as a spray or wash. Per $\frac{1}{2}$ lb. 25c., 75c. per 2-lb. can.

Fungine. An excellent remedy for fungous diseases of all kinds. 75c. per qt., per gal. \$2.00.

Grape Dust. A powder preparation used for mildew, aphids, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs. 40c., 75c. per 10 lbs., per 25 lbs. \$1.75, \$6.00 per 100 lbs.

Getz There Soap. Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs. 40c., \$1.00 for 8 lbs., 25 lbs. \$2.50.

Hellebore. The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. Per $\frac{1}{4}$ lb. 10c., 15c. per $\frac{1}{2}$ lb., per lb. 25c., \$1.00 per 5 lbs., per 10 lbs. \$1.85.

Hydrocyanic—Acid Gas (Fumigation with Cyanide Potassium) Poison. As given to us by a practical gardener. Put four ounces of water in a galvanized iron pail, add to this 2 oz. of Sulphuric Acid, wrap an ounce of Cyanide of Potassium in paper and place it in the bucket, which should be placed near the door of the greenhouse to afford quick exit; the moment the Cyanide strikes the liquid it generates a poisonous gas which must not be inhaled. The above charge is sufficient for 1000 cubic ft. space. Don't open the greenhouse for at least 12 hours. One of the ventilating sash should be arranged so it can be opened from the outside to allow the fumes to escape entirely before entering. This is claimed to be the only and best remedy to absolutely kill the white fly. It is claimed that it will not injure the most delicate plant, but the user should take great care of himself. **Cyanide of Potassium (Poison),** per $\frac{1}{4}$ lb. 25c., 50c. per lb. **Sulphuric Acid,** lb. 30c.

Kerosene Emulsion. Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Liquid dilutes 1 part to 20 parts of water. **PASTE:** Per lb. 20c., per 5-lb. can 75c., per 25-lb. can \$3.00. **LIQUID:** Per qt. 40c., per gal. \$1.00, \$4.50 per 5 gals.

Kil-o-Scale. Destroys and prevents the spread of scale insects of all kinds. Its chief use is the destruction of the San Jose Scale, which prevails in all parts of this country. It is diluted, one part Kil-o-Scale to twenty parts water. Per pt. 30c., 50c. per qt., per $\frac{1}{2}$ gal. 75c., per gal. \$1.25, \$5.00 per 5 gals., per 25 gals. \$21.25, per 50 gals. \$42.50.

Lemon Oil Co.'s Insecticide. The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Half pt. 25c., pt. 40c., qt. 75c., half gal. \$1.25, gal. \$2.00, 5-gal. kegs \$9.00, 10-gal. kegs \$17.50.

Lime Sulphur (Scalime). For destroying San Jose Scale. This is a concentrated form which is diluted 1 gal. to 12 or 15 gals. water, either hot or cold. May be used as a summer or winter spray, excellent to use as a fungicide. 25c. qt. $\frac{1}{2}$ gal. 45c., 75c. gal., 5 gals. \$2.25, \$3.75 for 10 gals., 25 gals. \$7.00, \$11.50 per 50 gals.

Lime Sulphur (Bowker's Concentrated). One gal. makes 10 gals. of spray; dilute with cold water. 75c. per gal., 5 gals. \$2.25, \$4.00 per 10 gals., 25 gals. \$7.00, \$11.50 per 50 gal. bbl.



CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution; one should be in the hands of every man who uses this material. Price, 85c. (Postpaid, \$1.00.) With directions.

Nicoticide. Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphids, white fly, and red spider, etc. Per $\frac{1}{4}$ pt. 70c., per $\frac{1}{2}$ pt. \$1.25, per pt. \$2.50, per qt. \$4.50, \$8.25 per $\frac{1}{2}$ gal., 1 gal. \$15.00. (Lamps for Nicoticide, 50c. each.)

Headquarters for Vermin and Insect Destroying Preparations, Etc.

Prices Subject
to Change

Nico-Fume (Liquid). This is used in very much the same way as Nicotinic acid. Per ¼ pt. 50c., per pt. \$1.50, per ½ gal. \$5.50, per gal. \$10.50.

Nico-Fume. This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. Preferred by many who do not wish to spray or vaporize. Per box, 24 sheets, 75c.; per 144 sheets, \$3.50; per 288 sheets, \$6.50.

Nikoteen. One of the milder forms of tobacco or nicotine preparations, usually diluted in water, makes a most satisfactory spray as well as vapor, excellent for pea lice in the garden. \$1.50 per pt., per 10 pts. \$14.00.

Paris Green. The chief merit of this article is the destruction of the potato bug. It may be used in liquid form, 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound Paris Green to 100 pounds Land Plaster. 15c. per ¼ lb., per ½ lb., 25c., 35c. per lb., \$1.60 per 5 lbs., per 14 lbs. \$4.20.

Pyrox (Bowker's). A pasty substance used for all leaf-biting insects. It is really a Bordeaux and Arsenate of Lead combined and is excellent. Dilute 1 lb. to 5 gals. water. 25c. per lb., 5 lbs. \$1.00, \$1.75 per 10 lbs., 25 lbs. \$4.00, 50 lbs. \$7.50, \$13.50 per 100 lbs., 300 lbs. \$38.00, \$60.00 per 500 lbs.

Rat Corn. For destroying rats and mice in greenhouses, hotbeds, etc. 15c., 25c., 50c. and \$1.00 per box.

Readeana Rose Bug Exterminator. A poisonous preparation which dilutes in water. Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. Will not injure flowers. Small pkgs. 50c., \$1.00 per large pkg. (See also page 129.)

Sulphocide. A summer spray against fungous diseases, one of the best preparations of its kind. 50c. pt., qt. 75c., \$2.00 per gal.

Scalecide. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. 45c. per qt., per gal. \$1.00, \$3.25 per 5 gals., 10 gals. \$6.00, \$16.00 per 30-gal. bbl., per 30-gal. jacketed tin \$15.00, \$25.00 per 50-gal. bbl.

Scale Destroyer (Target Brand). A combination of mineral and vegetable oils designed especially for San Jose Scale destruction. Dilute at various strengths according to season. Per qt. 35c., 65c. per ½ gal., per gal. \$1.00, \$3.75 per 5 gals., 10 gals. \$7.50, 25-gal. bbl. \$12.50, per 50-gal. bbl. \$23.00.

Shoo Fly. For keeping flies off cattle and horses, used with a sprayer or a sponge, the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt. 35c., \$1.00 per gal.

Slug Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 15c. per canister, per 5 lbs. 30c., 60c. per 10 lbs., 25 lbs. \$1.50, \$2.50 per 50 lbs., 100 lbs. \$5.00. Full bbl. lots (about 250 lbs.), 4½c. per lb., f. o. b. Factory; 4¾c. per lb., f. o. b. Phila.

Sulphate of Copper. For destroying fungous diseases of all kinds, also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds Sulphate of Copper to 6 pounds Lime, which is diluted in 50 gallons of water. Per lb. 15c., \$1.25 per 10 lbs., 25 lbs. \$2.50, \$8.50 per 100 lbs.

Sulphur. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Per lb. 7c., 30c. per 5 lbs., 25 lbs. \$1.25, \$4.00 per 100 lbs.

Sulphur Candles. For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 20c. each; per doz., \$2.00; small, 10c. each; per doz., \$1.00.

Sulpho Tobacco Soap. An excellent article for the person with a few plants. Especially good for destroying scale on palms and other plants. Soluble in warm water. Per 3-oz. package 10c., 20c. per 8-oz. package.

Thymo Cresol (Sheep Dip). This preparation is used for disinfecting, etc., it is also an excellent cold water sheep dip. Per 4-oz. bottle 25c., 40c. per 8-oz. bottle, per qt. 70c., \$1.10 per ½ gal., per gal. \$2.00.

Tobacco Dust for dusting only. Excellent for Lettuce and other plants to destroy soft, creeping insects. Per lb. 10c., 25c. per 5 lbs., per 10 lbs. 45c., \$1.00 per 25 lbs., 100 lbs. \$3.50.

Tobacco Dust (Special). For either fumigating or dusting. A specially prepared article; state which kind is wanted when ordering. 5 lbs. 35c., 60c. per 10 lbs., 25 lbs. \$1.35, \$2.25 per 50 lbs., 100 lbs. \$4.00.

Tobacco Soap (Sulpho). A combination of tobacco extract and sulphur, fine for washing and spraying plants, dissolve in warm water. 3-oz. cake 10c., 20c. per 8-oz. cake.

Tobacco Stems (Fresh). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb. 5c., 20c. per 5 lbs., per bu. 50c., \$1.00 per bbl. bag, per large bale \$2.00, \$6.50 per half-ton, per ton \$12.00.

To-Bak-Ine Fumigating Paper. Very much like Aphis Punk, which it resembles. It is used in exactly the same way as Aphis Punk. Per package, of 24 sheets, 75c.; \$6.50 per box of 244 sheets.

To-Bak-Ine Liquid. Similar to Nicotinic acid, except that it comes in two distinct grades—fumigating and spraying, state which is wanted when ordering. Price of either: Per ¼ pt. 40c., per ½ pt. 75c., \$1.35 per 1 pt., per pt. \$2.50, per gal. \$16.00.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb. 30c., 3-lb. cans 85c., 10-lb. cans \$2.65, \$4.80 per 20 lbs.

Vaporite. Vaporite is a gray non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Vaporite is for soil application—not for the leaves of the plant. Vaporite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. 1 lb. 15c., 60c. per 5 lbs., 10 lbs. 90c., \$2.00 per 25 lbs., 50 lbs. \$3.75, \$6.50 per 100 lbs.

Vermine. A soil sterilizer, a germicide. Will destroy worms, maggots, etc. It is usually applied at the time of preparing potting soil. Dilute at the rate of one part to 400 parts of water and thoroughly soak the soil. \$1.00 per qt., per gal. \$3.00.

Whale or Fish Oil Soap. For mild forms of Scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. It is nice for washing off Lemon trees, Oleanders, and almost anything that would be infested with a soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per ½ lb. 10c., 20c. per lb., per 5 lbs. 60c., \$1.10 per 10 lbs., per 25 lbs. \$2.00, \$6.50 per 100 lbs.

Whale Oil Soap (Good's Caustic). Used extensively as a tree spray and as a summer remedy for San Jose Scale, it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. 20c. per 1-lb. can, 5-lb. can 75c., \$1.75 per 25-lb. can, 50 lbs. \$3.25, \$5.00 per 100 lbs. Barrel lots of about 425 lbs., at 4¼c. lb.

Wilson's Plant Oil. This is a soluble oil preparation, excellent for plant lice of all kinds. It is particularly valuable for greenhouses and conservatories, although it can be used to good advantage outdoors. Per pt. 40c., 75c. per qt., per gal. \$2.00.

Worm Eradicator (Reade's Electric). This has been found to effectually destroy worms in greenhouse benches and in potted plants or for outdoor use, in the flower and vegetable garden, or among trees. It may be used with perfect safety, and results are sure. Per bottle, 50c.; \$1.00 per 24-oz. bottle; \$4.00 per gal.; \$17.50 per 5 gals.; 10 gals., \$35.00.

Worm Eradicating Fertilizer (Carter's). This preparation is made in England where it is used extensively, though the demand has reached this side, where it is being applied to grass plots, putting greens, etc., with great success. It is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. This preparation acts as a fertilizer as well as a worm destroyer. In 100 lb. bags only, \$5.00; \$37.50 per 1000 lbs., 2000 lbs. \$67.50. Apply at the rate of ½ lb. per square yard.

Worm Eradicator (Radix). Destroys worms in lawns, on tennis courts and putting greens. One gallon makes 100 gallons of treating liquid. \$2.00 per gal., per 5 gals. \$9.25, \$37.50 per 25 gals. Powder form: 1 lb. making 30 gallons of liquid, 60c. per lb., per 25 lbs. \$12.50, \$22.50 per 50 lbs., per 100 lbs. \$40.00.

The Price on all Insect Destroyers is subject to change

FERTILIZERS

Our List embraces the very best and most modern kinds. We are Headquarters in Philadelphia, and can quote special prices on car-load quantities.

All Prices Subject to
Market Changes

Acid Phosphate. (See Phosphate.)

Animal Bone and Potash. An ideal fertilizer for almost any farm or garden crop. Apply at the rate of 400 to 600 lbs. per acre. Per 200-lb. bag, \$3.25; \$13.50 per ½-ton; per ton, \$26.00.



Ashes (Canadian Hard Wood). Apply 1000 lbs. per acre. For top dressing lawn and grass fields, it is applied to best advantage either in very early spring or late fall. 5 lbs. 20c., 35c. per 10 lbs., 25 lbs. 60c., \$1.00 per 50 lbs., 100 lbs. \$1.50, \$2.50 per 200-lb. barrel, 1000 lbs. \$11.50, \$22.00 per ton.

Asparagus Fertilizer (Pure Bone and Potash). A mixture that promotes the root and top growth. Apply 600 lbs. per acre. 85c. per 25 lbs., 50 lbs. \$1.25, \$2.25 per 100 lbs., 200 lbs. \$4.25, \$37.50 per ton.

Basic Slag. (See Phosphate.)

Blood (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs. 30c., 50c. per 10 lbs., 25 lbs. \$1.25, \$2.00 per 50 lbs., 100 lbs. \$3.75, \$6.75 per 200 lbs.

Blood, Bone and Potash (or "Potash and Truck Special"). The finest fertilizer for the truck patch or garden, combines every element of fertilizer; valuable for all vegetable crops, grass, grain or flowers. Note the high analysis: 7% av. phos. acid, 3½% ammonia, 7% potash. Per 100 lbs. \$2.50, \$4.50 per 200 lbs., per ½ ton \$19.00, \$37.00 per ton.

Blood Flour. Apply 200 lbs. per acre. Much like dried blood except that it is finer and acts almost instantly. 5 lbs. 50c., 85c. per 10 lbs., 25 lbs. \$1.75, \$3.25 per 50 lbs., 100 lbs. \$6.00, \$11.50 per 200 lbs.

Bon Arbor. A concentrated chemical fertilizer similar to Bonora but less expensive; used in liquid form according to directions on the packages. 1 gal. \$2.00, \$9.25 per 5 gals. In powder form; dilutes 1 lb. of powder to 30 gallons of water. ¼ lb. can 25c., per ½ lb. 50c., \$1.80 per 5 lbs., 50 lbs. at 25c. per lb., 100 lbs. at 20c. per lb., bbls. (200 to 250 lbs.) 18c. per lb.

Bone (Coarse Cracked). ¼ to ½ size. This is particularly used for fruit trees, grape vines, etc.; apply at the rate of from 3 to 5 lbs., at the base of each vine or tree, and work it into the soil. Per 200 lbs. \$5.00, \$22.50 per ½ ton, per ton \$42.50.

Bone (Coarse Ground). Apply 600 to 800 lbs. per acre. Prepared from raw bones, exactly like bone meal except that it is not so fine, or quick in action, is used for the same purposes. 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 85c., \$1.50 per 50 lbs., 100 lbs. \$2.50, \$4.00 per 200 lbs., per ton \$35.00.

Bone Flour. Apply 600 lbs. per acre. Very fine, like dust, effective almost immediately, can be used for indoor or outdoor purposes. 5 lbs. 30c., 45c. per 10 lbs., 25 lbs. \$1.00, \$1.50 per 50 lbs., 100 lbs. \$2.50, \$4.50 per 200 lbs., ton \$40.00.

Bone Meal (Pure Ground Bone). Apply 600 to 800 lbs. per acre. Made from raw bone, without any addition of materials. Extensively used for lawns, greenhouse and in any case where a moderately slow stimulant fertilizer is wanted. 3 lbs. 15c., 25c. for 5 lbs., 10 lbs. 40c., 75c. per 25 lbs., 50 lbs. \$1.25, \$2.00 per 100 lbs., 200 lbs. \$3.75, \$33.00 per ton.

Bone Meal (Michell's Special Grade). We have been fortunate in locating a source from which we could get an unusual high grade of Bone Meal. By contracting for the entire output, the manufacturer agreed to let us have it. It is unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, garden and greenhouses, or any purpose where a high class fertilizer counts. Always specify Michell's Special Grade when ordering. 100 lbs. \$2.25, \$4.00 per 200 lbs., ton \$35.00.



Bonora. Directions for use are on each package. It may be used in either dry or liquid form; excellent for greenhouse and pot plants or vegetable forcing. 25c. per trial pkg. (by mail, 30c.), 50c. per lb. (by mail 66c.), \$2.50 per 5 lbs. by express.

Button Bone. Same price as Michell's Special Bone Meal.

Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 15c. per lb., 5 lbs. 60c., \$1.10 per 10 lbs., 28 lbs. \$2.00, \$3.50 per 56 lbs., 112 lbs. \$6.50.

Climax Lawn Sand. A unique combination of carefully dried and finely ground chemicals. 3½-lb. can 40c., 7-lb. can 75c., 14-lb. can \$1.25, 28-lb. pkg. \$2.00, 56-lb. pkg. \$3.50, 112-lb. pkg. \$6.00, 560 lbs. \$25.00, 1,120 lbs. \$45.00.

Copperas (Sulphate of Iron). The low cost of this makes it very valuable for field as well as lawn use, it being one of the best articles for the destruction of Canada thistle and other weeds difficult to eradicate. Especially valuable for eradicating dandelion, sorrel, etc. It dilutes 100 lbs. to 52 gallons of water, enough to treat an acre, and is applied with a sprayer. While it destroys weeds it stimulates the grass. 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$1.75, 200 lbs. \$2.50, 500 lbs. \$5.75, 1000 lbs. \$11.00.

Cotton Seed Meal. Apply 600 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 85c., \$1.50 per 50 lbs., 100 lbs. \$2.75, \$5.00 per 200 lbs., ton \$40.00.



Cow or Cattle Manure (Shredded).

One sack of this is equal to one cart-load of cow manure, is convenient to handle, making it possible for everyone to get this usually scarce article at all times. In 100-lb. sacks only. \$2.00 per 100 lbs., 500 lbs. \$9.00, \$16.00 per 1000 lbs., ton \$30.00.

Evergreen Brand Fertilizer. This article combines every necessary plant food element to promote healthy, vigorous growth of hot- and greenhouse plants and lawns. Requires but a small amount to give effective results as compared with other fertilizers. It has been thoroughly tried and found satisfactory in every respect. ½ lb. 25c., 50c. for 1½ lb. pkge., 5 lbs. \$1.00, \$2.00 per 12 lbs., 50 lbs. \$8.00.

Farmo-Germ (see page 15). A nitrogen-gathering bacteria to be used when planting or sowing leguminous plants, as clover, peas, beans, etc. Trial size bottles 50c., acre size bottles \$2.00.

Fish Guano or Dried Fish. Apply 300 to 400 lbs. per acre. For truck and plant forcing this is recommended. Also used to mix with other fertilizers to increase the ammonia analysis. In 200-lb. sacks only, \$6.00, \$52.50 per ton.

Guano (Pure Peruvian). Apply 400 to 500 lbs. per acre. Composed of deposits of pelican and bird manure from South American coasts; very quick in action; used for garden truck principally. 5 lbs. 30c. 50c. per 10 lbs., 25 lbs. 90c., \$2.75 per 100 lbs., 200 lbs. \$5.00, \$45.00 per ton.

Horn Shavings. Used principally for mixing in potting soil, is rich in ammonia; especially valuable in chrysanthemum growing. 10c. per lb., 5 lbs. 40c., \$1.75 per 25 lbs., 50 lbs. \$2.75, \$5.00 per 100 lbs.

Kainit (Potash Salts). Apply about 800 to 1000 lbs. per acre. Excellent for potatoes, corn and other grains. 5 lbs. 20c., 35c. per 10 lbs., 25 lbs., 50c., \$1.25 100 lbs., 200 lbs. \$2.00, \$15.00 ton.

Lawn Dressing (Michell's Odorless). Apply 500 to 600 lbs. per acre. A quick stimulant for lawns and grass lands. 5 lbs. 30c., 50c. per 10 lbs., 25 lbs. \$1.00, \$1.75 per 50 lbs., 100 lbs. \$3.00, \$5.00 per 200 lbs., 1000 lbs. \$21.00, \$40.00 per ton.

Land Plaster. Apply about 1000 to 1500 lbs. per acre. For a top dressing on sour and wornout soils, also for mixing with Paris Green. 5 lbs. 15c., 35c. per 25 lbs., 50 lbs. 60c., \$1.00 per 100 lbs., 200 lbs. \$1.50, \$10.00 per ton.



COTTONSEED MEAL is an excellent fertilizer for **PUTTING GREENS**

FERTILIZERS

Prices Subject
to Changes

Lime (Ammoniated Lawn). (*Destroys Weeds in 48 Hours.*) A chemical compound which when applied as a dressing kills all weeds in lawns, a single application is generally all that is needed. Select a bright sunny day, apply at the rate of 1 lb. to 40 square feet (a space 10 x 4). It fertilizes the grass, besides destroying the weeds. 2 lb. tin 30c., 60c. for 5 lbs., 25 lbs. \$2.00, \$6.00 per 100 lbs.

Lime (Hydrated or Powdered). This is a very fine article for distributing on grass. It promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre on fields or ½ ton on lawns. Per 128 lb. sack \$1.25, 640 lbs. \$4.75, ton \$12.50. Special price in carload lots.

Lime (Lump or Land). This is the screenings or forkings from the lime kilns and is extremely valuable for field use. In car lots only; price on application. Apply 2,500 to 3,500 lbs. per acre.

Manure (Dried Pulverized Horse). In 100-lb. bags only; richer in analysis than sheep manure; excellent for vegetable or flower gardens; a sack is equal almost to a cartload. Per 100 lbs. \$2.25, \$10.50 for 500 lbs., 1000 lbs. \$17.50, \$32.00 per ton.

Manure (Fresh Horse and Cow). At short notice we can usually supply first-class horse and cow manure in carload lots only. Prices quoted on request.

MAPES' CELEBRATED FERTILIZERS. No less than 200-lb. sacks of Mapes' fertilizers are sold. F. O. B. Factory F. O. B. Phila.

	200 lbs.	Ton	200 lbs.	Ton
Potato Manure	\$4.20	\$39.00	\$4.50	\$42.00
Corn Manure	3.95	37.00	4.25	40.00
Complete Manure, for general use.	4.20	39.00	4.50	42.00
Complete Manure, for heavy soils...	4.45	42.00	4.75	45.00
Complete Manure, for light soils...	4.55	44.00	4.85	47.00
Vegetable Manure, for all soils	4.55	44.00	4.85	47.00
Early Vegetable and Truck Manure	4.55	44.00	4.85	47.00

Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ozs. to 1 gal. of water and do not apply oftener than twice a week. 8c. lb.; 5 lbs., 25c.; 50c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$6.75 per 200 lbs.; ½-ton, \$32.50; \$62.50 per ton.



Plant Food (Michell's). A highly concentrated chemical fertilizer for house use. 15c. per ½-lb. pkg. (by mail, 24c.); 4 pkgs. by express (not prepaid), 50c.

Plant Food (Bowker's). Similar to the above in character and purpose, entirely odorless. ½-lb. pkgs., 15c. (by mail, 24c.); 1-lb. pkg., 25c. (by mail, 40c.).

Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. This must be used with great care, as it is very powerful. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50% actual potash. 1 lb., 10c.; 35c. per 5 lbs.; 10 lbs., 50c.; \$1.15 per 25 lbs.; 50 lbs.,

\$1.75; \$3.25 per 100 lbs.; 200 lbs., \$6.00.

Peruvian Guano Substitute. Apply 600 lbs. per acre. This has a very high analysis of all necessary plant-food elements and is now extensively used in place of Peruvian Guano, which has become extremely scarce. It is recommended for all farm and vegetable crops. Per 25 lbs., 85c.; \$1.50 per 50 lbs.; per 100 lbs., \$2.65; \$4.00 per 200 lbs.; per ton, \$37.00.

Phosphate for Corn (Phosphate and Potash). Apply 500 to 600 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of either field or sugar corn. Per 200 lbs., \$3.25; per ½-ton, \$13.00; \$25.00 per ton.

Phosphate (High Grade Acid or Rock). Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$2.00; \$14.50 per ton.

Phosphate (Michell's High Grade Ammoniated). For all vegetable crops, grain, grass, etc. Apply 500 to 600 lbs. per acre broadcast. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.75; \$3.00 per 200 lbs.; ton, \$25.00.

Phosphate (Thomas' Basic Slag). Used extensively for top dressing lawn, grass and grain lands; contains the proper elements to produce a rich luxuriant growth; apply 600 to 800 lbs. per acre. \$2.75 per 200-lb. bag; per ton, \$22.00.

Potato Phosphate (Michell's Hi-Grade). Apply 400 to 600 lbs. per acre. The best fertilizer for potatoes, being extremely rich in every ingredient that potatoes thrive on. 25 lbs., 85c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25; \$4.00 per 200 lbs.; ½-ton, \$18.00; ton, \$35.00.

Potato Manure (Baugh's). Apply at the rate of from 400 to 600 lbs. per acre. 25 lbs., 75c.; \$1.10 per 50 lbs.; per 100 lbs., \$2.00; \$3.50 per 200 lbs.; per ton, \$30.00.

Poudrette (Native Guano). Apply 1000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. It is odorless and easily handled. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.50; \$2.75 per 200 lbs.; 600 lbs., \$6.00; \$9.50 per 1000 lbs.; per ton, \$18.00.

Salt. For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre in early spring. 10 lbs., 20c.; 30c. for 25 lbs.; 50 lbs., 55c.; \$1.00 per 100 lbs.; 200 lbs., \$1.50; \$10.00 per ton.

Sheep Droppings (Natural, not Pulverized). Extensively used for liquid manure. 100-lb. bags, \$3.25; \$12.50 per 500 lbs.



Sheep Manure (Wizard Brand). Apply 1000 lbs. per acre. For garden, lawn or greenhouse use, nothing surpasses sheep manure, it is clean and easily handled, besides giving immediate results. 2 lbs., 15c.; 25c. per 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., \$1.25; \$2.00 per 100 lbs.; 500 lbs., \$9.00; \$16.00 per 1000

lbs.; per ton, \$30.00.

Soot (Imported Scotch). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on and underneath the surface. 10c. lb.; 5 lbs., 35c.; \$1.00 per 25 lbs.; 100 lbs., \$3.50.

Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. This material will stimulate growth almost immediately. Analysis, equal to 25% of ammonia. 1 lb., 10c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.35 per 25 lbs.; 50 lbs., \$2.50; \$4.50 per 100 lbs.; 200 lbs., \$8.50.

Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for root and grain crops. Analysis, equal to 50% of actual potash. 10c. per lb.; 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$2.25 per 50 lbs.; 100 lbs., \$4.00; \$7.25 per 200 lbs.

Tankage. This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.25 per 200 lbs.; ton, \$39.00.

Thomson's Special Chrysanthemum Manure. Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Can be used in liquid and in dry form. Per 28-lb. sack, \$4.50; \$7.50 per 56-lb. sack.

Thomson's Special Flower, Vegetable and Vine Manure. Imported from England, this excellent chemical fertilizer is extensively used wherever it is desired to force flowers or vegetables. 15c. lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$1.75; \$3.25 per 56 lbs.; 112 lbs., \$6.25.

Tobacco Stems. For fumigating, mulching and fertilizing these are invaluable. The chief fertilizing element in them is the potash. They make an excellent top dressing for lawns in winter. 1 lb., 5c.; 20c. per 5 lbs.; per bushel, 50c.; \$1.00 per barrel sack; large bales, \$2.00; \$6.50 per ½-ton; ton, \$12.00.

Wood Ashes. See Ashes at top of opposite page.

Wheat Fertilizer. Recommended especially for all grass and grain crops. Apply 500 to 600 lbs. per acre. 200 lbs., \$3.25; ½-ton, \$13.00; \$25.00 per ton.



We are prepared to furnish analysis of all Fertilizers we sell

(hw)

Horticultural and Poultry Books

The pleasure in gardening or any other pursuit is doubled with the aid of a good book. Those offered here by us are all the latest and brightest opinions on the different subjects.

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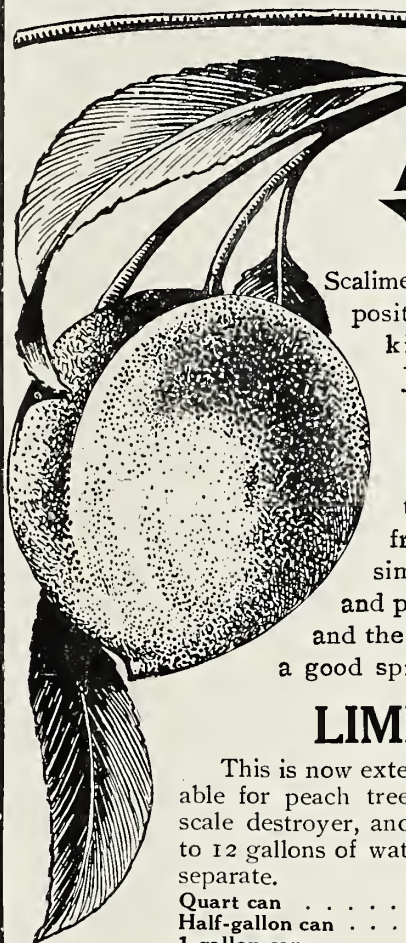
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